

99-1096
Census
Recensement

Canada 1986

USER'S GUIDE
TO
1986 CENSUS DATA
ON
OCCUPATION





Statistics
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Reference

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Science and Technology

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March 1990

Price: Canada, \$23.00
Other Countries, \$24.00

Catalogue 99-109E

ISBN-0-660-13341-5

Ottawa

La version française est disponible sur
demande (n° 99-109F au catalogue).

ACKNOWLEDGEMENTS

This document was prepared by Pat Grainger, Sandra Swain and Sheila Young of the Labour and Household Surveys Analysis Division.

The authors would like to thank the staff of Labour Characteristics Section, in particular, Lise Rollin, Line Beaulieu-Ouimet and Micheline Bigras for their assistance.

The authors are also most grateful to the staff of the Census Operations Division who edited and produced the text, namely Maureen Boisvenu, Dany Derouin and Nancy Turner along with Nicole Charbonneau, Josée Dufresne and Louise Gagnon.

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I. INTRODUCTION

The purpose of this document is to provide users of the 1986 Census occupation data with some background information on the collection, coding and production of occupation data and to alert users to the potential problems or intricacies of the data. After a brief overview of the processing cycle, an analysis of the data by major group is presented. This analysis compares the 1986 Census occupation data with that produced in 1981 and, where applicable, with other sources of data, to verify trends and identify inconsistencies.

The data on occupation collected by the 1986 Census are considered to be a good estimation of the work done by Canadians. However, small problems were identified in certain minor and unit groups during the certification process which required that some cautionary notes be written and, in one instance, that collapsing of three unit groups into one take place. The groups affected are summarized below:

Groups requiring cautionary notes:

- 1130 General managers and other senior officials
- 7183/7185/7199 Farm workers
- 2791/2793 Postsecondary and community college teachers
- 8553/8563 Sewing machine operators and Tailors and dressmakers

Groups requiring collapsing:

- 7113/7115/7119 Livestock, crop and farming occupations, not elsewhere classified were collapsed to 7111 Farmers.

The reasons for the cautionary notes and collapsing are explained further during the discussion of the major groups.



II. DEFINITION OF OCCUPATION

For census purposes, occupation refers to the kind of work persons were doing during the reference week, as determined by their reporting of their kind of work and the description of the most important duties in their job. Data are available for persons 15 years and over, excluding institutional residents. If the person did not have a job during the week prior to enumeration, the data relate to the job of longest duration since January 1, 1985. Persons with two or more jobs were to report the information for the job at which they worked the most hours.

All occupation data are coded to the four-digit level and are available according to two different classifications: the 1971 Occupational Classification (used mainly for historical comparisons) and the 1980 Standard Occupational Classification (SOC). Both structures have three levels of aggregation. The 1971 classification has 23 major groups subdivided into 81 minor groups which, in turn, are further subdivided into 496 unit groups. The 1980 structure has 22 major groups, 80 minor groups and 514 unit groups. These classifications use slightly different definitions of the labour force; as well, certain occupations have different codes and thus appear in different unit groups depending on the classification. An example list of these occupations and their corresponding 1971 and 1980 codes is provided in Appendix D.

Finally, the data presented during the analysis of major groups are based on the 1980 SOC.



III. REGIONAL OFFICE PROCESSING

A. Coding Instructions

Coding of the occupation responses took place in the regional offices during the regional office processing (ROP) stage. Coders were instructed to search for a potential occupation code in the alphabetical index of the coding manual for the kind of work reported by the respondent. They then turned to the definition section of the manual to verify the description of the types of activities and titles associated with the code. If the description was appropriate or a matching title was found, this occupation code was assigned. If not, the coders were to repeat the above process until the code having an appropriate description or title was found.

Additional coding instructions were included in the Form R-400 manual for certain occupations requiring more precise treatment. These instructions used other information on the questionnaire such as industry, income and class of worker, to guide the coder to assign a specific occupation code. Despite these additional instructions, the ROP evaluation reports indicated that coders still had difficulty with the procedures for coding owners of a business or respondents who ran their own business, trainees, sales occupations, general managers, Armed Forces personnel, farmers, Hutterites, secretaries and respondents on Indian reserves.

B. Occupation Coding Manual (OCM)

The Occupation Coding Manual (OCM) was used to code the occupation responses. The OCM is a modified version of the Standard Occupational Classification (SOC) produced by Standards Division of Statistics Canada. It differs from the SOC mainly by the addition of "comparison codes". As described earlier, certain occupation titles appear in different unit groups depending on whether one uses the 1971 or 1980 occupation classification. At the time of coding, these specific occupation titles are assigned a comparison code which will allow for the restructuring of the occupation data into the 1971 or 1980 classification without the need for coding the data twice. One criticism of the OCM has been, however, that no written description of the comparison codes exists in the manual.

The OCM is produced in both English and French. The 1986 English manual was identical to that used in 1981. The 1986 French manual (MCP - Manuel de codage de la profession) differs from the 1981 version, however, in that the number of job titles was greatly expanded. This was done to improve the accuracy of the data as coders of French questionnaires could more easily find a match for the respondent provided write-ins.

C. Coding Consultants

Unlike in previous census years, coding consultants were borrowed on a term basis from the ministry of Employment and Immigration to assist in the 1986 coding operation. They were hired because of their knowledge of occupation classification systems. One coding consultant was assigned to each of the six Statistics Canada regional offices.

At the completion of the coding operation, summary reports were prepared by each of these consultants as well as the subject-matter representative to the regional office processing team. These reports are available upon request.

D. Technical Assistance Request Forms (TARF)

Technical assistance request forms were used as a means of communication between the coders and the coding consultants in the regional offices and the subject-matter officers responsible for coded variables. There were approximately 50 TARFs received for occupation, a number which is reasonable given the intricacies of coding this variable. Generally speaking, the TARFs were written to resolve questions arising from unexpected or unclear questionnaire responses, to request clarification on coding instructions or to correct a minimal number of errors in the coding manual itself.

IV. EDIT AND IMPUTATION

During the edit and imputation processing phase, the unedited occupation data were transferred from magnetic tapes and loaded onto a data base. The data were subsequently "cleaned" so that respondents, who should have had an occupation response but did not, were assigned a representative occupation value (imputation), and that responses which conflicted with other economic variables were corrected (edit).

A. Imputation

An occupation response was imputed if a respondent was identified as having worked but his/her occupation was not stated or the occupation code assigned was "invalid". Through the imputation procedure, CANEDIT, an occupation code was obtained by matching the respondent with another respondent on the data base with similar characteristics such as age, sex, level of schooling, and assigning his/her occupation code. This assignment is done at the minor group level of detail.

The specifications used to edit and impute the 1986 Census data are essentially the same as those followed in 1981. The intent of the processing modules did not change nor did the order in which the modules were done.

Certain modifications were made to the CANEDIT rules. The 1981 rules were largely based upon the frequency of occurrence of certain industry and occupation combinations. Certain rules were written to prohibit the imputation of occupations and industries where small cell counts existed in 1971. The rules did not eliminate such responses, but rather restricted the imputation of others.

The 1986 rules were modified in cases where industry and occupation combinations had become more common due to changes in the market-place. For example, rules were deleted which had formerly not permitted the imputation of females to certain occupations. These rules were no longer appropriate because there are now sufficient numbers of females reporting these traditionally male occupations.

B. Effect of Imputation

As shown in Table 1, the impact of imputation on the minor groups was minimal. The table shows the frequency distribution of occupations as reported by the respondents and subsequently coded in regional office processing and the frequency of occupations imputed. It is evident that the final or total occupation distribution has not changed by more than 0.1% from the respondent given distribution for any minor group.

In looking at the frequency of which minor groups were imputed in comparison with their reported frequency, some groups appear to have been recipients more often than expected. This is the result of two factors. The first is that edit rules exist which force the imputation of specific occupation minor groups in particular situations. For example, the minor group 251 appears to have received more than its share of imputations. The editing system forces persons in religious institutions to be imputed from donors in these same institutions. The vast majority of persons reporting an occupation in a religious institution will be Nuns and brothers (2513) and thus this occupation will predominate among possible donors. Restricting imputation to religious institutions therefore forces a higher rate of imputation to minor group 251.

TABLE 1: PERSONS WHO WORKED DANCE JANUARY 1985 BY OCCUPATION HUND GROUPS (1990 CLASSIFICATION) BY SEX AND OCCUPATION REPORTED AND INPUTS (NUMBER AND PERCENTAGE DISTRIBUTION) FOR CANADA, 1986

OCCUPATION HUND GROUPS	TOTAL	Males				Females			
		REPORTED	INPUT	REPORTED	INPUT	REPORTED	INPUT	REPORTED	INPUT
TOTAL	13,826,490 100.00	12,362,245 100.00	496,245 100.00	7,760,030 100.00	7,491,570 100.00	268,460 100.00	6,998,415 100.00	5,870,625 100.00	227,780 100.00
111	82,853 0.61	80,790 0.61	2,063 0.28	79,626 1.77	57,282 0.77	2,100 0.78	24,178 0.44	21,455 0.44	763 0.34
117/114	957,790 6.91	927,550 7.50	30,240 6.03	640,130 8.22	627,610 8.31	16,500 6.16	257,240 4.49	253,230 4.32	8,495 3.73
117	259,320 2.59	249,485 2.41	9,835 2.18	108,300 2.68	202,640 2.70	5,700 2.12	151,220 2.48	146,080 2.49	5,140 2.26
211	44,020 0.32	42,630 0.32	1,370 0.28	32,760 0.44	32,730 0.44	1,030 0.38	16,285 0.17	15,915 0.17	360 0.15
218	34,405 0.25	33,530 0.25	875 0.18	21,330 0.21	20,295 0.21	640 0.24	10,255 0.17	10,240 0.17	15 0.01
214/215	125,790 1.19	146,485 1.19	4,100 0.83	141,770 1.80	137,960 1.80	3,825 1.43	10,815 0.18	10,805 0.18	10 0.01
216	121,275 0.88	118,130 0.88	3,145 0.64	106,125 1.37	103,365 1.38	2,760 1.00	15,250 0.23	14,810 0.25	440 0.19
218	115,865 0.84	112,520 0.84	3,345 0.67	78,700 1.01	76,460 1.02	2,240 0.83	27,170 0.41	26,895 0.41	275 0.12
221	36,440 0.26	35,345 0.26	1,095 0.22	15,720 0.20	15,125 0.20	590 0.22	16,725 0.27	16,180 0.28	545 0.24
223	127,040 0.92	126,760 0.92	2,800 0.57	80,220 1.04	78,365 1.04	1,855 0.70	47,360 0.69	46,845 0.79	515 0.22
234	57,690 0.41	55,825 0.42	1,865 0.37	41,115 0.52	39,295 0.52	820 0.31	16,385 0.28	16,330 0.28	55 0.02
225	28,635 0.21	27,590 0.21	1,045 0.21	6,285 0.08	6,095 0.08	195 0.07	22,370 0.37	21,300 0.37	870 0.38
229	13,225 0.11	14,875 0.11	1,650 0.33	5,900 0.08	5,725 0.08	125 0.05	9,350 0.13	9,110 0.16	240 0.11
251	36,250 0.26	32,865 0.25	3,385 0.68	27,425 0.35	25,495 0.34	1,790 0.64	8,825 0.14	7,810 0.12	1,015 0.42
271	42,495 0.31	40,730 0.32	1,765 0.36	40,940 0.53	39,925 0.53	1,015 0.38	21,560 0.25	20,810 0.25	750 0.32
272	295,740 2.14	281,915 2.86	11,825 2.37	121,970 1.57	115,015 1.59	2,955 1.10	271,725 4.46	262,995 4.46	8,730 3.88
279	130,170 0.94	125,040 0.94	5,130 1.03	34,045 0.44	33,410 0.44	635 0.24	76,125 1.10	74,635 1.25	1,490 0.65
279	73,915 0.53	72,915 0.53	1,000 0.20	34,845 0.45	33,530 0.45	1,315 0.49	37,845 0.55	36,765 0.62	1,080 0.47
281	446,160 3.22	423,435 3.24	22,725 4.59	45,440 0.59	44,125 0.59	1,315 0.49	400,720 5.87	388,320 6.41	12,400 5.44
213/216	134,315 0.97	130,785 0.98	3,530 0.73	82,480 1.07	82,360 1.07	120 0.00	48,025 0.69	46,825 0.77	1,200 0.52
801	79,940 0.58	75,485 0.58	4,455 0.91	46,965 0.61	45,715 0.61	1,250 0.47	27,080 0.41	26,775 0.41	305 0.13
802	51,175 0.37	49,935 0.37	1,240 0.25	34,625 0.45	32,560 0.43	1,125 0.42	16,400 0.27	15,725 0.27	675 0.30
803	45,815 0.33	44,470 0.33	1,345 0.27	22,900 0.30	22,220 0.30	680 0.25	22,115 0.38	22,290 0.38	625 0.27
306/307	56,400 0.41	53,720 0.40	2,680 0.54	22,445 0.42	20,760 0.41	1,635 0.62	32,955 0.49	32,290 0.50	665 0.29
411	942,800 6.82	925,300 7.50	17,500 3.53	39,905 1.10	38,760 1.10	940 0.33	594,590 8.77	577,170 8.62	17,420 7.54
411	861,990 6.25	842,125 6.25	19,865 4.03	112,110 1.45	110,510 1.45	1,600 0.59	719,675 10.43	710,765 10.36	8,910 3.97
414	140,825 1.02	136,240 1.02	4,585 0.93	30,315 0.40	29,590 0.40	725 0.28	109,940 1.60	106,250 1.81	3,690 1.60
415	263,225 1.91	254,960 1.91	8,265 1.69	116,465 1.51	116,465 1.51	2,325 0.86	148,490 2.14	146,775 2.13	1,715 0.75
416	32,320 0.23	30,860 0.23	1,460 0.29	8,195 0.11	7,905 0.11	290 0.11	23,035 0.34	22,650 0.33	385 0.16
417	269,725 1.95	260,725 1.95	9,000 1.83	121,820 1.61	121,820 1.61	2,000 0.74	148,905 2.16	148,905 2.16	0 0.00
419	237,170 1.73	232,400 1.73	4,770 0.96	96,365 1.28	95,040 1.27	325 0.12	142,290 2.05	141,845 2.05	445 0.19
513/514	1,040,800 7.51	1,003,410 7.31	37,390 7.53	333,295 4.37	315,965 4.37	10,330 0.38	687,445 9.92	684,945 9.92	2,500 1.09
517	184,820 1.33	179,345 1.33	5,475 1.12	118,005 1.53	113,280 1.54	4,725 1.78	66,015 0.96	64,125 0.93	1,890 0.82
519	41,175 0.30	40,125 0.30	1,050 0.21	16,420 0.21	16,420 0.21	0 0.00	24,705 0.36	24,705 0.36	0 0.00
520	380,225 2.72	370,025 2.71	10,200 2.08	260,500 3.36	249,470 3.32	11,030 4.11	17,785 0.28	17,450 0.28	335 0.14
512	716,235 5.17	694,215 5.12	22,020 4.50	226,320 0.30	225,635 0.31	685 0.25	469,040 6.80	458,335 6.80	7,005 3.09
613	86,365 0.62	81,025 0.61	5,340 1.09	22,290 0.29	22,170 0.29	120 0.05	63,875 0.93	63,785 0.93	90 0.04
614	261,890 1.90	259,225 1.90	2,665 0.54	10,720 0.14	10,620 0.14	100 0.04	245,170 3.52	244,600 3.52	570 0.24
616	46,475 0.33	45,425 0.33	1,050 0.21	16,535 0.21	15,860 0.21	675 0.25	31,560 0.46	30,865 0.46	695 0.30
619	209,225 1.50	200,320 1.51	8,905 1.81	241,875 3.12	230,975 3.12	11,700 4.39	167,220 2.44	159,225 2.71	8,000 3.57
711	377,315 2.73	371,225 2.73	6,090 1.24	195,220 2.52	195,470 2.52	1,865 0.69	181,750 2.65	181,750 2.65	0 0.00
716/719	340,210 2.51	330,615 2.47	9,595 1.95	222,430 2.88	212,520 2.84	10,770 4.01	127,785 1.85	117,785 1.85	10,000 4.45
721	32,160 0.23	31,080 0.23	1,080 0.22	47,685 0.61	45,825 0.61	1,860 0.69	5,475 0.09	5,225 0.09	250 0.10
731	100,685 0.72	97,470 0.71	3,215 0.65	52,320 0.68	50,300 0.68	2,020 0.74	47,170 0.69	45,170 0.69	2,000 0.88
711/731	71,385 0.52	69,440 0.52	1,945 0.39	75,615 0.99	73,725 0.99	890 0.33	1,270 0.03	1,210 0.03	60 0.03
811	7,430 0.05	7,220 0.05	200 0.04	7,025 0.09	6,820 0.09	205 0.08	6,605 0.09	6,605 0.09	0 0.00
813/814	37,240 0.27	35,240 0.27	2,000 0.41	19,305 0.25	18,775 0.25	525 0.19	17,465 0.26	16,725 0.26	740 0.32
815	18,215 0.13	17,720 0.13	495 0.10	15,220 0.20	14,645 0.20	580 0.22	2,985 0.05	2,875 0.05	110 0.05
816/817	41,195 0.30	40,630 0.30	565 0.11	36,515 0.47	35,290 0.47	1,225 0.42	8,840 0.14	8,550 0.14	290 0.12
817/818	214,560 1.53	207,220 1.52	7,340 1.49	121,865 1.59	120,720 1.59	1,145 0.42	82,495 1.26	80,675 1.26	1,820 0.80
822	20,440 0.15	19,415 0.15	1,025 0.21	47,130 0.61	45,360 0.61	1,790 0.67	3,285 0.05	3,125 0.05	160 0.06
823	44,140 0.32	43,630 0.32	510 0.10	43,230 0.56	41,870 0.56	1,360 0.51	2,510 0.05	2,780 0.05	130 0.06
825/827	36,895 0.27	35,425 0.27	1,470 0.30	18,495 0.24	17,945 0.24	550 0.20	18,280 0.26	17,880 0.26	400 0.17
829	6,175 0.04	6,170 0.04	5 0.00	6,820 0.09	6,615 0.08	205 0.08	2,255 0.03	2,125 0.03	130 0.04
831	31,500 0.23	30,565 0.23	935 0.19	16,025 0.21	15,865 0.21	160 0.06	14,645 0.21	14,520 0.21	125 0.05
832	162,625 1.17	156,640 1.17	5,985 1.17	131,165 1.73	129,700 1.73	1,465 0.54	26,920 0.39	26,920 0.39	0 0.00
833	12,515 0.09	12,480 0.09	35 0.01	11,740 0.15	11,395 0.15	355 0.16	1,175 0.02	1,145 0.02	30 0.01
837	11,220 0.08	10,725 0.08	495 0.10	5,460 0.12	5,090 0.12	370 0.14	1,765 0.03	1,660 0.03	105 0.05
839	16,800 0.12	16,220 0.12	580 0.12	14,815 0.19	14,315 0.19	500 0.19	1,985 0.03	1,965 0.03	20 0.01
221/222	110,575 0.80	106,730 0.80	3,845 0.77	67,425 1.13	66,275 1.13	310 0.18	21,145 0.25	20,460 0.25	685 0.30
835	141,865 1.02	137,065 1.02	4,800 0.97	117,495 1.42	106,825 1.42	1,670 0.61	27,110 0.31	26,810 0.31	300 0.13
836	50,175 0.36	48,615 0.36	1,560 0.31	24,820 0.32	24,615 0.32	205 0.08	6,210 0.11	6,200 0.11	10 0.01
837/838	260,770 1.90	246,125 1.87	14,645 2.97	47,365 0.61	45,615 0.61	1,750 0.73	196,220 2.83	190,540 2.86	5,680 2.49
839	46,795 0.34	45,295 0.34	1,500 0.31	26,810 0.37	25,690 0.37	1,120 0.42	11,480 0.19	11,050 0.19	430 0.19
838	267,025 1.93	256,795 1.93	2,230 0.45	131,260 1.71	129,525 1.71	735 0.28	136,270 1.97	135,725 1.97	545 0.24
279	57,690 0.41	55,825 0.42	1,865 0.37	41,115 0.52	39,295 0.52	820 0.31	16,385 0.28	16,330 0.28	55 0.02
871	114,070 0.82	109,440 0.82	4,630 0.90	112,140 1.45	107,765 1.44	4,385 1.62	1,930 0.08	1,825 0.08	105 0.04
871/879	129,320 0.93	124,830 0.93	4,490 0.90	125,965 1.67	125,965 1.67	0 0.00	3,400 0.05	3,400 0.05	0 0.00
879	356,345 2.56	342,000 2.56	14,345 2.90	341,495 4.50	330,595 4.50	2,900 1.07	15,050 0.22	14,485 0.22	565 0.25
879	11,725 0.08	11,720 0.08	5 0.00	11,740 0.15	11,395 0.15	355 0.16	1,175 0.02	1,145 0.02	30 0.01
911	79,635 0.58	76,440 0.58	3,195 0.64	40,220 0.52	39,250 0.52	970 0.36	38,170 0.55	37,170 0.55	1,000 0.44
915	21,195 0.15	20,165 0.15	1,030 0.21	19,130 0.25	18,720 0.25	410 0.15	2,415 0.04	2,385 0.04	30 0.01
917	421,165 3.04	406,840 3.04	14,325 2.92	202,015 2.61	197,725 2.61	4,290 1.58	214,100 3.11	210,545 3.11	3,555 1.56
919	7,785 0.06	7,645 0.06	140 0.03	7,645 0.10	7,495 0.10	150 0.06	7,195 0.10	7,185 0.10	10 0.00
920	260,190 1.90	249,270 1.87	10,920 2.19	197,515 2.53	189,325 2.53	8,190 3.05	62,645 0.91	59,925 0.87	2,720 1.19
931	81,095 0.58	77,875 0.58	3,220 0.65	32,320 0.43	31,410 0.43	910 0.34	47,465 0.69	46,475 0.69	990 0.43
933	31,245 0.23	29,930 0.23	1,315 0.26	14,945 0.19	14,265 0.19				

Secondly, imputation may be higher to minor groups where there are occupations normally reported by subpopulations associated with higher rates of non-response. For example, males in the younger age groups tend not to respond to the occupation question as often as those who are older. Therefore, imputation may be higher to minor groups in which persons of this age group are coded. Examples of this would include minor group 619, Other service occupations such as janitors, car washers, dishwashers, etc., minor group 718/719, Other farming, horticulture and animal husbandry occupations and minor group 991, Occupations not elsewhere classified.

C. Edits

At the final stage of processing, edits were done on the data to eliminate any inconsistencies or improbable combinations of industry, occupation and class of worker responses. For example, a self-employed person in the fishing industry is automatically assigned fishing as an occupation.

In 1986, an edit was incorporated in anticipation of a problem first noted in 1981. During the processing of the 1981 data, a post-edit "fix" was done to Nuns and brothers (2513) who were over 65 years of age in religious institutions in the province of Quebec and who did not report any wages or salary income. These persons were removed from the labour force on the grounds that their activities were likely of a benevolent or charitable nature.

Only one other edit was required to the occupation data during the 1986 processing and this was caused by a revision in labour force activity processing from that done in 1981. In 1986, housewives or persons doing regular maintenance at home during the reference week were assigned a code of 8888 during regional office processing. Due to an error, some persons assigned this code were not processed through the occupation decision tables and therefore have no value for occupation (OCCF) on the final edit and imputation base. An edit was done to give values to these records. However, the specifications will be corrected to resolve this problem if they are used again in 1991.

V. RETRIEVAL DATA BASE CREATION

After completion of the edit and imputation processing phase, the occupation data are loaded onto the Retrieval Data Base. Two occupation variables are made available for output: OCC71 based on the 1971 Occupational Classification, and OCC81 based on the 1980 Standard Occupational Classification. Users with access to the census data base will find information on how to retrieve these variables in the section entitled "Technical Information Required for Data Retrievals".

VI. DATA QUALITY - NON-RESPONSE

Table 2 presents 1986 non-response rates for males and females for Canada and the provinces, both before weighting and after weights have been applied. At the Canada level, non-response is slightly more common for females than males. Using weighted data, this is also true in the provinces with the exception of Nova Scotia, Ontario, Manitoba, British Columbia, Yukon and the Northwest Territories. Only females in the Yukon showed a higher non-response rate based on weighted than on unweighted data.

Lack of response to the occupation questions may be attributed to several factors. First, the question response is subject to influences not specifically related to the respondent's occupation. Problems associated with illiteracy and respondent burden apply to all questions and logically should be more pronounced for those such as labour activity and income which are located near the end of the questionnaire. Second, problems have been historically identified which relate to a lack of comprehension by respondents of the census concept of work. The self-enumeration methodology does not permit interviewer probing to elicit responses from those doing occasional work at jobs requiring a minimum of training or from those doing work for which remuneration is not received. Respondents doing such work may not recall it when the questionnaire is being completed or may not consider it as "work" but rather as an everyday activity in which the census is unlikely to be interested. Finally, non-response may occur because a respondent's occupation is not specific; that is, that it may change frequently to accomplish any of a large variety of tasks. Demographic factors contribute to non-response as well. It is, for example, more frequent among the young "marginal" workers and the elderly who, for a variety of reasons, may have difficulty completing the questionnaire.

Table 2. Non-response Rates for Canada, Provinces and Territories, 1986 Census

Canada and provinces	Total	Males	Females
Canada			
Unweighted	4.66	4.62	4.72
Weighted	3.70	3.61	3.82
Newfoundland			
Unweighted	3.19	3.09	3.32
Weighted	2.80	2.79	2.83
Prince Edward Island			
Unweighted	4.54	3.80	5.45
Weighted	3.27	3.22	3.33
Nova Scotia			
Unweighted	4.24	4.30	4.16
Weighted	3.22	3.27	3.15
New Brunswick			
Unweighted	3.73	3.68	3.80
Weighted	3.10	3.10	3.11
Quebec			
Unweighted	4.84	4.53	5.26
Weighted	3.86	3.74	4.01
Ontario			
Unweighted	4.41	4.51	4.29
Weighted	3.53	3.49	3.58
Manitoba			
Unweighted	5.77	5.90	5.60
Weighted	4.14	4.04	4.27
Saskatchewan			
Unweighted	5.93	5.54	6.45
Weighted	4.89	4.35	5.62
Alberta			
Unweighted	4.29	4.17	4.44
Weighted	3.62	3.42	3.87
British Columbia			
Unweighted	5.00	5.13	4.82
Weighted	3.80	3.75	3.86

**Table 2. Non-response Rates for Canada, Provinces and Territories, 1986 Census -
Concluded**

	Total	Males	Females
Yukon			
Unweighted	7.00	7.44	6.41
Weighted	6.99	7.25	6.68
Northwest Territories			
Unweighted	6.69	6.73	6.64
Weighted	6.30	6.55	5.97

VII. DETAILED ANALYSIS BY MAJOR GROUP (1980 SOC)

This section provides a detailed examination of the occupation data by major group based on the 1980 SOC. The data are analysed in comparison with the 1981 Census data, the May 1986 Labour Force Survey data and, where applicable, data from other sources.

Major Group 11 - Managerial, Administrative and Related Occupations

The number of persons reporting managerial and administrative occupations has increased for both males and females since 1981. Although at the Canada level women show increases in all unit groups, the number of males has decreased in the post office management, construction management, transportation and communication management and purchasing management occupations. The transportation and communication and purchasing management occupation declines for males are compensated for by equivalent or slightly larger increases for women. The declines in construction management occupations are consistent with declines in the construction industry and construction occupations in general.

The largest percentage increases are evident for the unit group 1130 - General managers and other senior officials. Relative to the Labour Force Survey, this category is coded more frequently at the expense of the specialized "Other managers and administrators" unit groups. This difference is likely attributable to the census self-enumeration methodology which does not permit probing for more specific detail about the nature of the managerial activities. Thus, responses which do not state area of specialization, for example, manager, sales and advertising or manager, industrial relations must be coded to the less specific category "General manager".

Analysis of the occupation trends between the 1971 and 1981 Census years showed larger increases in the specialized manager unit groups than in general managers. The shift towards more general responses and thus more "general managers" can be explained by a more common use of "manager" as a job title and by a shift in the nature of work such that these managers have more varied responsibilities than ever before. This increased range of responsibility has changed the perception which respondents have of their jobs. Thus, a response of "manager" in general terms is likely an accurate reflection of real changes in the labour market.

The "General manager and other senior official" category is often associated by data users with increased levels of responsibility and, consequently, with higher levels of employment income. Based upon the definition in the classification manual, this interpretation is justified to a large extent. The 1986 Census data show that almost half of the males (47%) and 13% of women coded to this unit group reported employment income exceeding \$50,000. These figures are only slightly different from the 1981 Census data where 45% of males and 10% of females reported employment income exceeding the arbitrary limit of that time of \$40,000. Furthermore, when this group is analysed by age, the majority of both men and women are 35 years or older. One would expect senior managers to have several years of work experience and so the 35 years and over age group appears appropriate.

Users of the occupation data for General managers and other senior officials (1130) should be cautioned about the two distinct groups of persons being coded to this unit group. A special note was prepared to explain this estimate.

Major Group 21 - Occupations in Natural Sciences, Engineering and Mathematics

At the major group level, census data show a small increase in the number of males reporting these occupations (7%) and a larger relative increase for females (40%). These estimates are somewhat higher than those found by the Labour Force Survey, more specifically 2% higher for males and 16% higher for females.

The number of male technologists and technicians has decreased in both the physical and life science occupation groups. It appears that these may have been coded to the first unit group within the respective minor groups. For example, there appears to have been some miscoding of technicians to "chemists" and "agriculturalists", both of which are the first unit group listed in the coding manual in their respective minor groups.

Increases are evident for females for both the physical and life science occupations. In spite of these increases, the census finds fewer women in these occupations than the Labour Force Survey, particularly for geologists and agriculturalists.

With respect to engineering occupations, the census estimates have increased since 1981. All unit groups show increases for females while, in general, those related to construction and primary industries show declines for males.

Census estimates decline for the minor group "Other occupations in architecture and engineering". These changes are consistent with declines in the construction industry.

Systems analysts, computer programmers and related occupations (2183) have increased since the 1981 Census for both males and females. Census estimates for these occupations are higher than those of the Labour Force Survey.

Major Group 23 - Occupations in Social Sciences and Related Fields

The number of males and females reporting an occupation in the social science field has increased since 1981, 29% in total, 15% for males and 42% for females. The increase is evident in all provinces. In general, the census estimates exceed those produced by the May 1986 Labour Force Survey. Certain unit groups are notable because they appear to have been coded less frequently in the census. The census estimates for Social workers (2331), Judges and magistrates (2341), Lawyers and notaries (2343) and Librarians, archivists and conservators (2351) are all lower than the survey even though, in all cases, the census estimates have increased since 1981. However, the number of individuals in the survey sample is small and these have been assigned high weights and therefore are subject to greater variability.

Technicians in library, museum and archival sciences (2353) decline relatively to the 1981 Census. The number of women reporting occupations in Social work and related fields, n.e.c. (2339) has increased marginally from 1981.

Major Group 25 - Occupations in Religion

The number of persons estimated as having an occupation related to religion in the 1986 Census has declined (-4%) from that of 1981. While the estimate of males has increased since 1981 at the Canada level, the lower figures for females are responsible for the overall decrease. Nova Scotia, New Brunswick, Ontario and the Western provinces consistently show growth since 1981, but the estimates for the province of Quebec have declined greatly.

The data for Quebec have had a significant impact for two reasons. First, it is the province where the highest number of Nuns and brothers (2513) are found. This is an occupation which is aging because it is a less popular choice for today's youth than in the past. In addition, the overall number decreases because the older nuns and brothers are withdrawing from the labour market or no longer living.

The second reason is a more technical one. It is often difficult to determine whether activities done by nuns and brothers should be considered work in the labour market or charitable acts. Coders experience difficulty in determining the appropriate coding procedure for these persons. Therefore, in 1981 and again in 1986, an edit was done to the data such that the labour market data of respondents 65 years and over living in religious institutions in the province of Quebec was removed from the data base if they did not report any wage or salary income. This was done on the grounds that their activities were likely more of a religious nature and not work as defined elsewhere in the labour market.

Major Group 27 - Teaching and Related Occupations

Census estimates of the population reporting teaching occupations have increased from 1981 as a total (8%) and for males (3%) and females (12%). Relative to the Labour Force Survey, the census estimates are lower, particularly for University teachers (2711), Secondary school teachers (2733) and certain of the other not elsewhere classified teaching occupations.

Census practice has traditionally coded research assistants to unit group 9919 on the grounds that the work done by these individuals is varied and not described precisely enough to permit its assignment to a more specific major group. However, "research assistant" remains as a title in the coding manual under the definition for unit group 2719 and as a title in the alphabetical index. Research assistants may therefore have been coded to either unit group.

The number of Postsecondary school teachers, n.e.c. (2793) declined between 1981 and 1986. The decrease was confined to the province of Quebec and is caused by changes to the French coding manual. In 1986, teachers at the province's CEGEPs were to be assigned the code 2791 whereas the 1981 manual incorrectly placed them in unit group 2793. A special note was prepared to advise users of this difference in coding practice.

The number of Secondary school teachers (2733) has declined since 1981 because of a decrease for males. When these data are combined with those for Elementary and kindergarten teachers (2731), the data are consistent with those found for industry.

Major Group 31 - Occupations in Medicine and Health

In comparison with 1981, the 1986 Census estimates for this major group have increased by 15%, 10% for males and almost 17% for females. These estimates are somewhat higher than the Labour Force Survey (5%), particularly in unit groups within minor group 313 - Nursing, therapy and related assisting occupations.

Health diagnosing occupations have increased from 1981 with the exception of a small decline (-4%) for male Veterinarians (3115). However, the number of females reporting this occupation has more than doubled and thus the unit group as a whole has grown by 23%.

Within the Nursing, therapy and related assisting occupations, a decline is evident for Orderlies (3132) at the Canada level and for all provinces except Manitoba. Declines occurred as well for Registered nursing assistants (3134) and Nursing attendants (3135) while Nurses, registered, graduate and nurses-in-training (3131) showed a large increase relative to 1981. While some provinces follow this national trend, there is little consistency among them in the movement of these unit groups.

These variations reflect trends as well as problems inherent in coding to the level of detail required by the classification system. To be coded 3134 - Registered nursing assistants or 3135 - Nursing attendants, respondents' answers had to specifically match one of the titles shown in the manual or match the principal activities given as examples. Even in the manual, however, there is a duplication in activities performed by the two unit groups such that coding to one or the other group may be arbitrary. General or vague responses such as nursing, caring for the sick, bedside care, etc., appear to have been coded to 3131 - Nurses, registered, graduate and nurses-in-training.

To assess the quality of these data, a comparison was made with information found in a publication produced by Health Division. Data in this publication are limited to persons working in hospitals and could be found only for the years 1981/82 and 1984/85. In spite of these constraints, the trend found in the publication compares well with that found in the 1986 Census data. According to the Health Division data, the number of nurses has increased since 1981 due entirely to an increase in part-time nurses. The number of full-time nurses has declined. The number of orderlies and nursing assistants has declined and the figures show a shift towards part-time work for these occupations as well. Data are not available for nursing attendants.

Large increases are also apparent in the Nursing, therapy and related assisting occupations, n.e.c. (3139). Much of this is likely due to the expansion of related medical services for groups such as the elderly in their own homes or in lodges. However, there is a problem in the alphabetical index which has also affected this unit group. The index does not contain the title "child-care worker", an occupation which should be coded to Child-care occupations (6147). Some of these persons have been coded as Child-care attendant, school (3139), thus inflating the estimate for this unit group.

Major Group 33 - Artistic, Literary, Recreational and Related Occupations

The number of persons reporting an occupation coded to this major group has increased by 20% since 1981, 15% for males and 28% for females. In spite of these increases, the census estimates remain lower than those produced by the Labour Force Survey, particularly for those occupations related to sports and recreation.

The larger number of men and women reporting these occupations is consistent with the increased interest in leisure and recreational activities. However, estimates from successive censuses and from other sources such as the Labour Force Survey may fluctuate due to the marginal nature and unpredictability of much of this work. Furthermore, many of these occupations are associated with the young and with part-time workers, groups which are traditionally undercovered by the census. Respondents have a tendency to forget this work or not to consider it as work at all. Coverage problems such as these affect estimates for Musicians and singers (3332) and Attendants, sports and recreation (3375).

In addition, an error in the coding manual assigned proprietors of other amusement or recreational services to unit code 3314 - Advertising and illustrating artists. A correction was sent to the regional offices requesting that these proprietors be assigned to 3360.

Unfortunately, the impact on these two codes cannot be estimated, although the number of persons coded to 3314 has increased considerably while those coded to 3360 has declined.

Major Group 41 - Clerical and Related Occupations

The number of persons reporting clerical occupations has increased only 3% since 1981 with males experiencing a decline (-1%) and females increasing by only 5%. The clerical occupations have traditionally been the largest major group for women. In addition, it has been one of the largest recipient major groups for women entering the labour market. The relatively small percentage increase between 1981 and 1986, for women in general, and the percentage decline for the younger age groups, those 15 to 24 years, are indications of the trend away from these traditional occupations.

A significant decline in Typists and clerk-typists (4113), in Bookkeeping and accounting clerks (4130, 4131 and 4139), Statistical clerks (4137), Production clerks (4151) and in Library and file clerks (4161) is consistent with increasing office automation and the consequential higher reporting of Electronic data-processing equipment operators (4143) and General office clerks (4197). Increased automation in communications has resulted in fewer Telephone operators (4175) and Messengers (4177).

Changes in the nature of their work and in job title have resulted in a decline in Personnel clerks (4195). These persons have likely been coded based on their description of their major activities as Personnel and related officers (1174).

Major Group 51 - Sales Occupations

Sales occupations were reported more frequently in 1986 (9%) than in 1981 for both males (5%) and females (14%). The census estimates are lower than those of the Labour Force Survey (-6%), particularly for occupations related to the sale of commodities. The unit group most severely affected is 5130 - Supervisors: sales occupations, commodities where the census estimates are lower by one-third. It is possible that vague responses such as store manager or sales manager were coded to one of the managerial unit groups 1130 or 1137 when they should have been coded here. Sales clerks and salespersons, commodities, n.e.c. (5135), Newspaper carriers and vendors (5143), Service station attendants (5145) and Sales occupations: commodities, n.e.c. (5149) are also underestimated relative to the survey. These differences can be explained by the traditional census undercoverage of marginal labour market sales occupations; occupations which employ a large number of part-time workers and workers from younger age groups.

A decrease is noticeable for males in Business services sales occupations (5177). A decline in the province of Ontario is largely responsible for the decrease. This appears to conflict with the large growth in the business services industries. However, the male/female ratio has shifted for this occupation. The larger number of females reporting this work is of sufficient magnitude that, overall, the unit group has increased.

Major Group 61 - Service Occupations

The number of persons reporting service occupations has increased by 13% from 1981, 10% for males and 16% for females. For both sexes, census figures are lower than the Labour Force Survey. The three minor groups most affected are Occupations in lodging and other accommodation (613), the Personal service occupations (614) and the Other service occupations (619).

The Lodging and other accommodation and Other service occupations may be showing the effects of the undercoverage of the marginal worker. Many of the occupations contained in these two minor groups are done by young workers on a part-time, seasonal or ad hoc basis.

With respect to the Personal service occupations, there are two relevant factors. First, the census has traditionally had difficulty enumerating occupations which are performed by respondents in their own homes or in the homes of others. Many of these people do not consider their activities as work worthy of mention or prefer not to report it because of fear of penalization by Revenue Canada. Housekeepers, servants and related occupations (6142) and Child-care occupations (6147) are particularly susceptible to undercoverage for these reasons. Second, the term "child-care worker" is not included in the alphabetical index in the Occupation Coding Manual. The closest is "child-care attendant" which is assigned a code 3139. This unit group has experienced a large increase since 1981, some of which is probably due to miscoding of the increasingly common "child-care worker".

The decline of Personal service occupations, n.e.c. (6149) of more than one-third is due to a sharp decline in the province of British Columbia. Between 1971 and 1981, this unit group increased by almost two-thirds in British Columbia while all other provinces experienced a decline. The 1986 data appear to be correcting themselves.

The unit group 6169 - Apparel and furnishings service occupations, n.e.c. has increased since 1981 as have the Laundering and dry cleaning occupations (6162). Pressing occupations (6165) have declined. The nature of work for these professions has changed such that more individuals will now be responsible for laundering, dry cleaning and pressing. Therefore, the codes combining several of these activities (6162) and (6169) will be used more frequently. The added responsibility for the business affairs of a dry cleaning establishment have likely resulted in the coding of some of these individuals into Services management occupations (1142).

The census estimates for the Armed Forces (6116 and 6117) are lower by 1,500 than those of the Department of National Defence. Special coding instructions dealing with the coding of Armed Forces personnel request that, where a respondent's rank is not given, the appropriate civilian occupation code be assigned. Thus, some members of the Armed Forces will be found in other occupation major groups.

Major Group 71 - Farming, Horticultural and Animal Husbandry Occupations

The number of persons reporting an occupation in Farming, horticultural or animal husbandry has increased by 6% since 1981. For males, the increase was limited to 2% whereas the number of females went up by 17%. Census estimates remain lower than the Labour Force Survey by approximately 80,000 (13%). These occupations have always been difficult for the census to enumerate. Much of the work is unpaid, particularly for females. It is often not considered as work but rather as day-to-day routine activities inevitable to farming. Also, much of the work is seasonal, done on a short-term basis by young men and women, a group that experiences high undercoverage by the census.

It is apparent that census coders have difficulty differentiating between livestock, crop and mixed farmers. To add to this confusion, the census reference week was the last week of May 1986. During this period of the year, the principal activity of many farmers, whether livestock, crop or a combination of these, will be seeding, planting, turning the land, etc. These activities lead to overcoding of Crop farmers (7115) and a consequential undercount of Farmers, n.e.c. (7119). It was therefore recommended that these three unit groups of farmers be collapsed into one, Farmers (7111). There was evidence of a similar

problem among farm workers. However, the estimates do not appear to be as severely distorted and thus it was recommended that the data remain as they are, and that a cautionary note be prepared for users.

Unit group 7199 - Other farming, horticultural and animal husbandry occupations, n.e.c. has declined since the 1981 Census and is considerably lower than the Labour Force Survey. The situation arises only in Manitoba, Saskatchewan and Alberta. Although there may be some confusion between this group and the Crop farm workers (7185), it appears that the data are an improvement over that of 1981 and that coding problems identified at that time have been corrected.

Major Group 73 - Fishing, Trapping and Related Occupations

The estimates for Fishing, trapping and related occupations have increased by 12% since the 1981 Census. Much of the increase comes from females for whom an increase of 2,000 is noticeable (89%). This increase is likely due to improved coverage and not entirely caused by an increase in the number of women workers. Historically, women who assisted their husband in their fishing activities did not report this work. Encouragement to do so by specifically referring to it in the Guide and reference to the problem during the consultant training appears to have improved the quality of the data.

Major Group 75 - Forestry and Logging Occupations

The estimates for this major group have increased in total by 8% since the 1981 Census. This is a 7% increase for males and 22% for females (1,100 women). These figures are consistent with those found for the Forestry and logging industries. The declines noticeable for Log inspecting, grading, scaling and related occupations (7516) and Log hoisting, sorting, moving and related occupations (7517) are related to declines in the logging industry.

Major Group 77 - Mining and Quarrying Including Oil and Gas Field Occupations

The number of persons reporting an occupation in this major group has declined since 1981 by 13%. The sole unit group showing a slight increase is that of Rotary well-drilling and related occupations (7711). These data are consistent with those for the industry data and are a reflection of decreases in the resource sector during the first part of the decade.

Major Group 81/82 - Processing Occupations

The number of respondents reporting declines in Processing occupations has declined since the 1981 Census (-8%). This decline is noticeable only for males as females show a slight increase (1.6%). In spite of the overall decline, census estimates remain 6% higher than those produced by the Labour Force Survey.

The decline is apparent in all minor groups except 821/822 - Food, beverage and related processing occupations. These trends are consistent with industry data for which decreases are estimated in mining, quarrying, primary metals, wood, pulp and paper, and textiles. The increased estimates in 821/822 are due to growth in the retail trade and accommodation, food and beverage service industries.

At the unit group level, coding has increased the estimates for 8148, 8158, 8178 and 8228 all of which are Occupations in labouring and other elemental work within their respective minor groups. Respondents who gave their job title as "labourer" were to be coded to these unit groups. General responses to the census questions and the increasing use of

generalized titles such as labourer both contribute to larger estimates in these unit groups.

Major Group 83 - Machining and Related Occupations

The 1986 Census estimates are lower than those obtained in 1981, although they remain higher than those produced by the Labour Force Survey. The declines are consistent with reductions in the manufacturing, metal, wood and non-metallic mineral products industries which occurred in the first half of this decade.

Fluctuations between unit groups from one census to the next can be expected because of the similarity and sometimes duplication of activities described in the coding manual. In addition, census respondents do not always provide detailed descriptions of the nature of their work. Thus, for example, machine operators may be coded to either 8333 - Sheet metal workers or 8334 - Metalworking-machine operators, n.e.c. in minor group 833 - Metal shaping and forming occupations, except machining. Similarly, coders may have difficulty distinguishing between 8313 - Machinist and machine tool setting-up occupations and 8315 - Machine tool operating occupations.

Major Group 85 - Product Fabricating, Assembling and Repairing Occupations

The number of persons reporting an occupation in this major group has remained stable since the 1981 Census. The Labour Force Survey estimates are higher than those of this census.

Increases from 1981 are evident for occupations associated with metal products particularly those in Motor vehicle fabricating and assembling occupations, n.e.c. (8513). Similarly, the census estimates for Electrical (8533) and Electronic (8535) equipment installing and repairing occupations, n.e.c. are higher than in 1981.

In minor group 855-856, occupations associated with textile, fur and leather products, there is confusion in the coding of Tailors and dressmakers (8553) and Sewing machine operators (8563), particularly in the province of Quebec. Consequently, tailors and dressmakers estimates are high at the expense of the machine operators in this province. A special advisory note was prepared for these unit groups.

Major Group 87 - Construction Trades Occupations

This major group experienced a slight decrease of -4% between 1981 and 1986. Males decreased -4% while females increased 19%. This decrease was not uniform across all the provinces. Ontario, Manitoba, Nova Scotia and Newfoundland all showed increases at the major group level for both males and females. British Columbia, Alberta and Saskatchewan, on the other hand, all showed marked decreases for both males and females for this major group. The remaining provinces showed decreases for males and increases for females.

Compared with the Labour Force Survey, census figures were slightly lower by -4% at the major group level.

The effects of economic growth or recession were reflected in minor group 878-879 - Other construction trades occupations where occupations related to housing construction are found. This minor group decreased only -2%. Again, Ontario showed an 11% increase for this group, while British Columbia showed a -20% decrease.

The minor groups Excavating, grading, paving and related occupations (871) and Electric power, lighting and wire communications equipment erecting, installing and repairing occupations (873) decreased -9% and -8%, respectively.

At the unit group level, it is interesting to note that, like several other categories, the three foremen occupation groups declined significantly within each of the minor groups. Again, the majority of occupations which showed increases fell into minor group 878-879. However, two occupations not included in 878-879 which experienced increases were Pavers, surfacers and related occupations (9%) and Electric power linemen and related occupations (2%).

Major Group 91 - Transport Equipment Operating Occupations

This major group showed a very slight decline from 1981 of -0.4%. Males decreased -1.7% while females increased 19.1%. Compared with the Labour Force Survey, census figures were lower for males (-3%) while figures for females were higher by 5%.

At the minor group level, minor group 913 - Railway transport operating occupations showed the largest decline (-17%). This is consistent with declines observed in other occupations associated with the railways. The Motor transport operating occupations (917) showed a slight increase of 2%. This minor group contains the unit group 9175 - Truck drivers which is the largest occupation group for men.

There were very few unit groups which showed increases for males. The most significant increases were in 9153 - Engineering officers, ship (5%), 9173 - Taxi drivers and chauffeurs (8%) and the residual categories of 9179 - Motor transport operating occupations, n.e.c. (53%) and 9199 - Other transport equipment operating occupations, n.e.c. (23%). Other groups which showed slight increases for males were 9170 - Foremen/women: motor transport operating occupations and 9171 - Bus drivers. Interestingly, the census estimates for males were lower than those of the Labour Force Survey for all of the above occupations.

Females showed increases in all unit groups, except two. However, these changes were largely based on small numbers, often less than 500. Groups which did increase significantly for women were Bus drivers (26%), Taxi drivers and chauffeurs (16%) and Motor transport operating occupations, n.e.c. (21%).

Major Group 93 - Material Handling and Related Occupations, n.e.c.

This major group has experienced declines in all unit groups with the exception of 9314 - Parcel carriers, n.e.c. since the 1981 Census. These declines are consistent with decreases in the manufacturing, construction and primary industries.

The census estimates are lower than those produced by the Labour Force Survey by approximately 100,000 persons (-28%). The occupations in this group are largely unskilled and marginal to the labour market. This creates two problems for the census. First, respondent answers are often vague and therefore difficult to code precisely. Thus, some respondents may be coded to the n.e.c. groups within other major groups, or to major group 99, Occupations not elsewhere classified. Secondly, these occupations are often performed by the young and transient workers, a group for which the census has traditionally experienced coverage problems.

Major Group 95 - Other Crafts and Equipment Operating Occupations

The number of persons reporting an occupation in this major group has remained stable since the 1981 Census although fluctuations are evident among its unit groups. Relative to the Labour Force Survey, the census estimates are lower, particularly for the minor groups Printing and related occupations (951) and Stationary engine and utilities equipment operating and related occupations (953).

Increases from the 1981 Census are evident for the Printing and related occupations (951) and the Other crafts and equipment operating occupations, n.e.c. (959) which includes Photographic processing occupations (9591). Overall declines were noted in Electronic and related communications equipment operating occupations, n.e.c. (955) although the largest component unit group, Radio and television broadcast equipment operators (9551) showed an increase.

Major Group 99 - Occupations Not Elsewhere Classified

The number of persons coded to this major group has increased by a third from 1981. The increase is of approximately the same magnitude across all industries.

Occupations coded to this major group are those which cannot be properly classified to any other major group, usually because the responses are vague or too general. Increases in this group may also reflect inadequacies in the coding manual or conditions present during the regional office coding operation. Any of these explanations could be valid for the 1986 data. As stated before, census responses do tend to be more general than those obtained by interviewer conducted surveys. In addition, the 1980 Standard Occupation Classification has existed since the late 1970s and may, therefore, be lacking in up-to-date example titles. Finally, it is possible that increasingly stringent deadlines and cost limitations in regional office processing have had an impact on the quality of occupation coding.

VIII. TECHNICAL INFORMATION REQUIRED FOR DATA RETRIEVALS

The following information is technical in nature and is provided for those doing retrievals from the census data bases.

1971 Census

Retrievals from the 1971 Data Base

The occupation variable in 1971 is OCCUPATN and is stored as a four-digit numeric on the data base. The codes range from 0000 to 9999. Occupation not stated is coded 0000 and all other numerics represent the corresponding codes in the 1971 Occupational Classification. Codes 1151-1158 should be aggregated to equal 1149 and codes 9921-9926 to equal 9918.

Universe

The POPTOTAL universe should be used.

Components for the Different Labour Categories

Combine the variables LFCODE1 and LFCODE2 to define the different labour categories as follows:

Employed	LFCODE1	2-4 9-10
Unemployed	LFCODE1	6 7
Labour force	LFCODE1	2-4 6-7 9-10
Experienced labour force	(LFCODE1 and (LFCODE2	2-4 6-7 9-10) 4 5 6)
Not in the labour force	LFCODE1	1 5
Population 15 years and over	LFCODE1	1-7 9-10

Collapsing for Comparability

For the 1971 unit group data to be comparable to 1981 and 1986, the following categories should be collapsed.

1. Unit group 3133 "Nurses-in-training" should be combined with unit group 3131 "Nurses, graduate, except supervisors".
2. Unit group 5137 "Sales clerks, commodities" should be combined with unit group 5135 "Salesmen and salespersons, commodities, n.e.c.".
3. Unit group 6131 "Managers: hotel, motel and other accommodation" should be combined with unit group 6130 "Supervisors: occupations in lodging and other accommodation".
4. Unit group 7199 "Other farming, horticultural and animal husbandry occupations, n.e.c." should be combined with unit group 7182 "Farm workers".

1981 Census

Historical Retrievals from the 1971, 1981 and 1986 Data Bases

The occupation variable to be used for historical retrievals back to 1971 is OCC71 and is stored as a five-character coded variable on the 1981 data base. Not applicable is coded to NOT_APP. Every other code begins with the letter O and is followed by four numbers corresponding to the 1971 Occupational Classification. Not stated is coded O0000. Codes O1151-O1158 should be aggregated to equal 1149 and codes O9921-O9926 to equal 9918.

Universes

The EDUCLF universe should be used for most retrievals. If institutional residents are required, the universe EDUCLFR should be used.

Components for the Different Labour Categories

The variable LF71 should be used and combined as follows for the different categories.

Employed	LF71	1-5
Unemployed	LF71	8-10
Total labour force	LF71	1-5 8-10
Experienced labour force	LF71	1-5 8 10
Not in the labour force		
(including institutional residents)	LF71	6 7
Population 15 years and over		
(including institutional residents)	LF71	1-10

Collapsing for Comparability

For the 1981 unit group data to be comparable to 1971 and 1986, the following categories should be collapsed.

1. Unit group 6131 "Managers: hotel, motel and other accommodation" should be combined with unit group 6130 "Supervisors: occupations in lodging and other accommodation".
2. Unit group 7199 "Other farming, horticultural and animal husbandry occupations, n.e.c." should be combined with unit group 7182 "Farm workers".
3. Unit groups 3131 and 3133 have already been aggregated on the data base and only O3131 "Nurses, graduate, except supervisors" can be retrieved.
4. Unit groups 5135 and 5137 have already been aggregated on the data base and only O5135 "Salesmen and salespersons, commodities, n.e.c." can be retrieved.

Other Retrievals from the 1981 Data Base

The occupation variable used in 1981 retrievals is OCC81 and is stored as a five-character coded variable on the 1981 data base. Not applicable is coded as NOT_APP. Every other code begins with the letter O and is followed by four numbers corresponding to the 1980 Standard Occupational Classification. Codes O1151-O1158 should be aggregated to equal 1149 and codes O9921-O9926 to equal 9918.

Responses which were originally blank or invalid and subsequently imputed are included at the minor group level. Each code ending with the letter "I" represents these assignments.

The 1981 labour force definition was used in 1981 publications (other than the occupation trend bulletin).

Universe

The universe LABFOR should be used for retrievals of the labour force and EDUCLF if counts are required for workers not in the labour force.

Components for the Different Labour Categories

The variable LFTAG should be used and combined as follows for the different categories.

Employed	LFTAG	1-4
Unemployed	LFTAG	5-17
Total labour force	LFTAG	1-17
Experienced labour force	LFTAG	1-10 14-15
Not in the labour force	LFTAG	18-21
Population 15 years and Over (excluding institutional residents)	LFTAG	1-21

Collapsing for Comparability

To compare with 1986 occupation data, unit groups 7113 "Livestock farmers", 7115 "Crop farmers" and 7119 "Farmers" should be aggregated into one group - "Farmers".

Historical Retrievals from the 1981 and 1986 Data Bases

When comparing 1981 and 1986 occupation data, the variable to be used is OCC81 and is stored as a five-character coded variable on the 1981 and 1986 data bases. In both 1981 and 1986, Not applicable is coded as NOT_APP and all other codes begin with the letter O and are followed by four numbers corresponding to the 1980 Standard Occupational Classification. Codes O1151-O1158 should be aggregated to equal 1149 and O9921-O9926 to equal 9918.

In both years, responses which were originally blank or invalid and subsequently imputed are included at the minor group level. Each code ending with an "I" represents these assignments.

Universe

The universe LABFOR should be used for retrievals of the labour force and EDUCLF if counts for workers not in the labour force are required.

Components for the Different Labour Categories

The variable LFTAG should be used and combined as follows for the different categories.

Employed	LFTAG	1-4
Unemployed	LFTAG	5-17
Total labour force	LFTAG	1-17
Experienced labour force	LFTAG	1-10 14-15
Not in the labour force	LFTAG	18-21
Population 15 years and over (excluding institutional residents)	LFTAG	1-21

Comparability With 1986

To compare with 1986 unit group data for 7113 "Livestock farmers", 7115 "Crop farmers" and 7119 "Farmers, n.e.c." should be aggregated into one group "Farmers".

1986 Census

Historical Retrievals from the 1971, 1981 and 1986 Data Bases

The occupation variable to be used for historical retrievals is OCC71 and is stored as a five-character coded variable on the 1986 data base. Not applicable is coded to NOT_APP. Every other code begins with the letter O and is followed by four numbers corresponding to the 1971 Occupational Classification. Not stated is coded O0000. Codes O1151-O1158 should be aggregated to equal 1149 and codes O9921-O9926 to equal 9918.

Universes

The EDUCLF universe should be used for most retrievals. If institutional residents are required, the universe EDUCLFR should be used.

Components for the Different Labour Categories

The variable LF71 should be used and combined as follows for the different categories.

Employed	LF71	1-5
Unemployed	LF71	9-11
Total labour force	LF71	1-5 9-11
Experienced labour force	LF71	1-5 9 11
Not in the labour force		
(including institutional residents)	LF71	7-8
Population 15 years and over		
(including institutional residents)	LF71	1-5 7-11

Collapsing for Comparability

For the 1986 unit group data to be comparable to 1971 and 1981, the following categories should be collapsed.

1. Unit group 6131 "Managers: hotel, motel and other accommodation" should be combined with unit group 6130 "Supervisors: occupations in lodging and other accommodation".
2. Unit group 7199 "Other farming, horticultural and animal husbandry occupations, n.e.c." should be combined with unit group 7182 "Farm workers".
3. Unit groups 3131 and 3133 have already been aggregated on the data base and only O3131 "Nurses, graduate, except supervisors" can be retrieved.
4. Unit groups 5135 and 5137 have already been aggregated on the data base and only O5135 "Salesmen and salespersons, commodities, n.e.c." can be retrieved.

Other Retrievals from the 1986 Data Base

The occupation variable used in 1986 retrievals is OCC81 and is stored as a five-character coded variable on the 1986 data base. Not applicable is coded as NOT_APP. Every other code begins with the letter O and is followed by four numbers corresponding to the 1980 Standard Occupational Classification. Codes O1151-O1158 should be aggregated to equal 1149 and codes O9921-O9926 to equal 9918.

Responses which were originally blank or invalid and subsequently imputed are included at the minor group level. Each code ending with the letter "I" represents these assignments.

The 1986 labour force definition was used in 1986 publications (other than the occupation trend bulletin).

Universe

The universe LABFOR should be used for retrievals of the labour force and EDUCLF if counts are required for workers not in the labour force.

Components for the Different Labour Categories

The variable LFTAG should be used and combined as follows for the different categories.

Employed	LFTAG	1-4
Unemployed	LFTAG	5-17
Total labour force	LFTAG	1-17
Experienced labour force	LFTAG	1-10 14-15
Not in the labour force	LFTAG	18-21
Population 15 years and over (excluding institutional residents)	LFTAG	1-21

Collapsing on the 1986 Data Base

The 1980 Standard Occupational Classification groups 7113 "Livestock farmers", 7115 "Crop farmers" and 7119 "Farmers, n.e.c." have been aggregated to unit group 7111 "Farmers" in the OCC81 variable.

APPENDIX A

**EXPERIENCED LABOUR FORCE BY DETAILED
OCCUPATION (1980 OCCUPATIONAL CLASSIFICATION), SEX AND
PERCENTAGE CHANGE, CANADA, 1981 AND 1986 CENSUSES**

APPENDIX A. EXPERIENCED LABOUR FORCE BY DETAILED OCCUPATION
(1980 OCCUPATIONAL CLASSIFICATION) BY SEX AND
PERCENTAGE CHANGE, CANADA, CENSUS 1981 AND 1986

OCCUPATION(1)	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
AREA: TOTAL - CANADA									
TOTAL - ALL OCCUPATIONS	12,054,155	13,049,860	8.3	7,155,265	7,441,170	4.0	4,898,890	5,608,690	14.5
111A ASSIGNED	2,055	2,355	14.6	1,525	1,745	14.4	530	615	16.0
1111	2,370	3,255	37.3	1,840	2,420	31.5	530	840	58.5
1113	23,565	29,080	23.4	18,860	20,835	10.5	4,705	8,240	75.1
1115	5,845	5,790	-0.9	2,725	2,300	-15.6	3,120	3,490	11.9
1116	26,550	29,125	9.7	22,445	23,125	3.0	4,105	6,000	46.2
1119	7,675	9,535	24.2	5,420	6,165	13.7	2,250	3,370	49.8
MINOR GROUP 0111	68,060	79,150	16.3	52,810	56,590	7.2	15,250	22,555	47.9
113A 114A ASSIGNED	17,490	21,070	20.5	12,885	14,365	11.5	4,605	6,705	45.6
1130	86,225	161,260	87.0	78,110	137,410	75.9	8,115	23,855	194.0
1131	11,995	13,645	13.8	11,230	12,400	11.0	765	1,185	54.9
1132	7,440	9,305	25.1	3,855	3,875	0.5	3,585	5,430	51.5
1133	35,165	38,135	8.4	26,620	26,790	0.6	8,545	11,345	32.8
1134	11,115	16,155	45.3	5,295	6,465	22.1	5,820	9,680	66.3
1135	59,505	69,175	16.3	45,555	46,835	2.8	13,950	22,345	60.1
1136	26,005	31,100	19.6	18,805	19,905	5.8	7,205	11,195	55.4
1137	175,980	219,420	24.7	138,875	157,030	13.1	37,105	62,390	68.2
1141	13,875	14,120	1.8	11,910	11,630	-2.4	1,965	2,490	26.7
1142	47,650	63,675	33.6	33,145	40,975	23.6	14,510	22,695	56.4
1143	49,280	52,060	5.6	45,495	46,250	1.7	3,785	5,815	53.6
1145	26,400	22,035	-16.5	25,760	21,245	-17.5	640	790	23.4
1146	55,215	39,905	-27.0	29,875	32,550	9.0	5,335	7,355	37.9
1147	16,415	16,700	1.7	14,360	13,780	-4.0	2,055	2,925	42.3
1151	3,595	3,930	9.3	2,875	2,905	1.0	720	1,030	43.1
1152	7,585	9,235	21.8	5,370	6,225	15.9	2,215	3,010	35.9
1153	10,075	12,845	27.5	7,030	8,170	16.2	3,045	4,675	53.5
1154	4,485	5,010	11.7	2,585	2,840	9.9	1,900	2,170	14.2
1155	10,195	11,980	17.5	7,520	8,235	9.5	2,670	3,745	40.3
1156	16,835	22,265	32.3	10,735	13,860	29.1	6,105	8,405	37.7
1157	24,190	38,050	57.3	11,075	14,115	27.4	13,115	23,935	82.6
1158	20,850	28,880	38.5	12,585	14,920	18.6	8,275	13,960	68.7
1149	97,810	132,200	35.2	59,770	71,255	19.2	38,040	60,945	60.2
MINOR GROUP 0113_0114	717,585	919,965	28.2	561,550	662,835	18.0	156,035	257,130	64.8
117A ASSIGNED	6,955	9,050	30.1	4,405	4,860	10.3	2,550	4,185	64.1
1171	151,680	189,025	24.6	104,505	112,715	7.9	47,180	76,315	61.8
1173	9,700	10,900	12.4	7,530	7,940	5.4	2,170	2,965	36.6
1174	32,105	36,850	14.8	17,040	17,135	0.6	15,060	19,715	30.9
1175	16,510	17,160	3.9	12,815	11,935	-6.9	3,700	5,225	41.2
1176	6,735	8,480	25.9	5,785	6,880	18.9	955	1,600	67.5
1179	50,690	71,390	40.8	31,390	38,795	23.6	19,300	32,595	68.9
MINOR GROUP 0117	274,375	342,855	25.0	183,465	200,270	9.2	90,900	142,590	56.9
MAJOR GROUP 11	1,060,015	1,341,965	26.6	797,830	919,690	15.3	262,190	422,275	61.1
211A ASSIGNED	1,250	1,210	-3.2	1,035	905	-12.6	215	300	39.5
2111	9,170	10,685	16.5	7,365	7,865	6.8	1,805	2,815	56.0
2112	7,505	7,950	5.9	6,740	7,040	4.5	765	910	19.0
2113	1,310	1,155	-11.8	1,240	1,065	-14.1	70	95	35.7
2114	935	1,075	15.0	865	970	12.1	70	105	50.0
2117	19,905	18,425	-7.4	15,215	13,220	-13.1	4,685	5,210	11.2
2119	1,580	1,270	-19.6	1,440	1,170	-18.8	135	100	-25.9
MINOR GROUP 0211	41,655	41,765	0.3	33,905	32,230	-4.9	7,750	9,535	23.0

APPENDIX A. EXPERIENCED LABOUR FORCE BY DETAILED OCCUPATION
(1980 OCCUPATIONAL CLASSIFICATION) BY SEX AND
PERCENTAGE CHANGE, CANADA, CENSUS 1981 AND 1986

OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
213A ASSIGNED	780	775	-0.6	470	545	16.0	310	225	-27.4
2131	7,080	8,920	26.0	6,220	7,145	14.9	860	1,770	105.8
2133	7,185	8,020	11.6	4,955	5,105	3.0	2,230	2,915	30.7
2135	10,505	10,120	-3.7	6,835	6,380	-6.7	3,675	3,740	1.8
2139	3,485	4,670	34.0	2,800	3,625	29.5	690	1,040	50.7
MINOR GROUP 0213	29,035	32,500	11.9	21,275	22,805	7.2	7,760	9,695	24.9
214A_215A ASSIGNED	3,185	3,475	9.1	3,055	3,255	6.5	125	215	72.0
2141	7,610	8,555	12.4	6,960	7,465	7.3	645	1,090	69.0
2142	5,555	5,795	4.3	5,220	5,265	0.9	330	525	59.1
2143	31,225	30,730	-1.6	30,360	29,375	-3.2	865	1,360	57.2
2144	26,605	30,710	15.4	25,655	29,125	13.5	945	1,590	68.3
2145	16,730	16,340	-2.3	15,700	14,585	-7.1	1,035	1,760	70.0
2146	535	630	17.8	500	560	12.0	35	65	85.7
2147	19,055	22,605	18.6	18,680	21,925	17.4	380	675	77.6
2151	1,705	1,560	-8.5	1,665	1,480	-11.1	40	80	100.0
2153	3,180	2,950	-7.2	3,105	2,825	-9.0	75	125	66.7
2154	4,420	4,195	-5.1	4,210	3,915	-7.0	215	275	27.9
2155	2,510	2,785	11.0	2,455	2,695	9.8	55	90	63.6
2156	840	730	-13.1	800	665	-16.9	40	60	50.0
2157	5,890	7,160	21.6	4,780	5,310	11.1	1,110	1,850	66.7
2159	7,140	8,555	19.8	6,815	8,105	18.9	330	450	36.4
MINOR GROUP 0214_0215	136,185	146,765	7.8	129,955	136,550	5.1	6,230	10,210	63.9
216A ASSIGNED	3,030	2,795	-7.8	2,605	2,465	-5.4	420	330	-21.4
2160	7,480	5,595	-25.2	7,280	5,320	-26.9	205	275	34.1
2161	17,605	16,880	-4.1	16,650	15,960	-4.1	955	920	-3.7
2163	42,990	36,945	-14.1	35,170	30,195	-14.1	7,820	6,750	-13.7
2164	1,275	1,555	22.0	1,080	1,260	16.7	195	295	51.3
2165	47,860	48,810	2.0	43,980	43,815	-0.4	3,880	4,990	28.9
2169	5,320	3,525	-33.7	4,670	3,065	-34.4	650	460	-29.2
MINOR GROUP 0216	125,565	116,105	-7.5	111,445	102,080	-8.4	14,115	14,030	-0.6
218A ASSIGNED	1,655	2,875	73.7	1,175	2,000	70.2	485	875	80.4
2181	5,635	6,020	6.8	3,845	3,985	3.6	1,790	2,040	14.0
2183	60,675	100,850	66.2	43,355	69,280	59.8	17,320	31,550	82.2
2189	1,055	940	-10.9	560	495	-11.6	495	450	-9.1
MINOR GROUP 0218	69,020	110,665	60.3	48,950	75,750	54.8	20,070	34,915	73.8
MAJOR GROUP 21	401,465	447,800	11.5	345,520	369,420	6.9	55,940	78,380	40.1
231A ASSIGNED	555	950	71.2	325	675	46.2	225	475	111.1
2311	12,165	14,815	21.8	9,710	10,690	10.1	2,450	4,120	68.2
2313	1,320	1,320	-0.4	815	705	-13.5	505	615	21.8
2315	8,410	11,430	35.9	4,045	4,695	16.1	4,365	6,735	54.3
2319	5,350	6,090	13.8	2,295	2,465	7.4	3,055	3,625	18.7
MINOR GROUP 0231	27,795	34,605	24.5	17,195	19,030	10.7	10,600	15,575	46.9
233A ASSIGNED	2,870	3,760	31.0	830	1,040	25.3	2,040	2,720	33.3
2331	31,240	43,700	39.9	11,700	14,430	23.3	19,545	29,265	49.8
2333	42,645	61,685	44.6	13,300	16,395	23.3	29,345	45,290	54.3
2339	6,030	7,465	23.8	1,875	2,230	18.9	4,155	4,235	1.9
MINOR GROUP 0233	82,780	115,610	39.7	27,705	34,095	23.1	55,075	81,510	48.0
234A ASSIGNED	980	980	27.3	560	660	17.9	210	320	52.4
2341	1,985	2,315	16.6	1,790	2,025	13.1	200	285	42.5
2343	34,200	41,980	22.7	29,030	32,835	13.1	5,175	9,145	76.7
2349	7,445	10,025	34.7	3,190	3,610	13.2	4,250	6,415	50.9

**APPENDIX A. EXPERIENCED LABOUR FORCE BY DETAILED OCCUPATION
(1980 OCCUPATIONAL CLASSIFICATION) BY SEX AND
PERCENTAGE CHANGE, CANADA, CENSUS 1981 AND 1986**

OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
MINOR GROUP 0234	44,405	55,300	24.5	34,565	39,130	13.2	9,845	16,170	64.2
235A ASSIGNED	895	860	-3.9	185	180	-2.7	715	680	-4.9
2350	1,940	2,090	7.7	710	700	-1.4	1,225	1,395	13.9
2351	15,585	17,725	13.7	3,090	3,470	12.3	12,500	14,255	14.0
2353	3,665	3,095	-15.6	1,180	955	-19.1	2,480	2,140	-13.7
2359	2,530	2,760	9.1	675	695	3.0	1,855	2,065	11.3
MINOR GROUP 0235	24,620	26,535	7.8	5,840	6,000	2.7	18,775	20,540	9.4
239A ASSIGNED	255	300	17.6	130	95	-26.9	125	205	64.0
2391	5,885	7,305	24.1	3,050	3,275	7.4	2,830	4,030	42.4
2399	5,325	6,815	28.0	2,190	2,275	3.9	3,135	4,540	44.8
MINOR GROUP 0239	11,465	14,415	25.7	5,375	5,640	4.9	6,090	8,775	44.1
MAJOR GROUP 23	191,065	246,460	29.0	90,680	103,900	14.6	100,385	142,565	42.0
251A ASSIGNED	3,375	3,080	-8.7	1,265	1,485	17.4	2,115	1,600	-24.3
2511	22,030	23,175	5.2	20,415	20,885	2.3	1,610	2,290	42.2
2513	6,070	2,420	-60.1	990	550	-44.4	5,075	1,870	-63.2
2519	4,200	5,425	29.2	2,325	2,960	27.3	1,875	2,465	31.5
MINOR GROUP 0251	35,670	34,100	-4.4	24,995	25,870	3.5	10,675	8,225	-23.0
MAJOR GROUP 25	35,670	34,100	-4.4	24,995	25,870	3.5	10,675	8,225	-23.0
271A ASSIGNED	1,050	1,405	33.8	710	800	12.7	340	605	77.9
2711	33,325	36,695	10.1	25,200	26,945	6.9	8,125	9,755	20.1
2719	11,650	17,940	54.0	6,470	9,985	54.3	5,180	7,960	53.7
MINOR GROUP 0271	46,030	56,040	21.7	32,385	37,725	16.5	13,645	18,315	34.2
273A ASSIGNED	8,850	9,855	11.4	1,985	2,720	37.0	6,865	7,140	4.0
2731	173,280	189,130	9.1	34,010	36,810	8.2	139,260	152,320	9.4
2733	37,455	131,625	-4.2	79,560	72,690	-8.6	57,895	58,940	1.8
2739	30,010	37,215	24.0	5,690	6,255	9.9	24,320	30,960	27.3
MINOR GROUP 0273	349,590	367,830	5.2	121,245	118,470	-2.3	228,345	249,360	9.2
279A ASSIGNED	3,665	4,075	11.2	1,430	2,020	41.3	2,240	2,060	-8.0
2791	30,290	36,375	20.1	18,365	20,910	13.9	11,930	15,470	29.7
2792	18,445	22,395	21.4	5,155	5,945	15.3	13,290	16,450	23.8
2793	6,410	4,830	-24.6	2,415	1,280	-47.0	3,995	3,550	-11.1
2795	19,840	23,380	17.8	5,715	5,810	1.7	14,120	17,570	24.4
2797	14,495	15,480	6.8	9,435	9,460	0.3	5,055	6,015	19.0
2799	12,755	13,235	3.8	5,965	5,830	-2.3	6,795	7,405	9.0
MINOR GROUP 0279	105,890	119,765	13.1	48,475	51,255	5.7	57,420	68,515	19.3
MAJOR GROUP 27	501,510	543,635	8.4	202,100	207,450	2.6	299,410	336,190	12.3
311A ASSIGNED	1,115	1,240	11.2	845	940	11.2	275	300	9.1
3111	40,625	46,800	15.2	33,655	36,920	9.7	6,965	9,885	41.9
3113	10,330	12,070	16.8	9,515	10,470	10.0	820	1,600	95.1
3115	3,400	4,180	22.9	2,840	2,725	-4.0	560	1,455	159.8
3117	2,195	2,910	32.6	1,895	2,440	28.8	300	470	56.7
3119	3,525	4,485	27.2	1,545	1,810	17.2	1,980	2,675	35.1
MINOR GROUP 0311	61,185	71,685	17.2	50,285	55,310	10.0	10,895	16,375	50.3
313A ASSIGNED	12,200	11,060	-9.3	1,185	1,175	-0.8	11,015	9,885	-10.3
3130	21,240	19,695	-7.3	1,855	1,725	-7.0	19,390	17,970	-7.3
3131	175,575	221,925	26.4	8,085	10,525	30.2	167,490	211,405	26.2
3132	6,310	4,510	-28.5	5,000	3,735	-25.3	1,310	775	-40.8
3134	46,400	37,330	-19.5	3,860	2,875	-25.5	42,535	34,455	-19.0
3135	76,770	74,755	-2.6	12,605	13,925	10.5	64,155	60,825	-5.2
3136	1,910	2,705	41.6	270	1,640	535	2,350	2,350	43.3
3137	8,300	11,225	35.2	1,365	1,835	34.4	6,935	9,395	35.5

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OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
3138	3,605	5,085	41.1	465	670	44.1	3,135	4,415	40.8
3139	13,945	27,045	93.9	4,065	6,215	52.9	9,880	20,830	110.8
MINOR GROUP 0313	366,255	415,345	13.4	38,770	43,030	11.0	327,485	372,315	13.7
315A_316A ASSIGNED	2,855	3,045	6.7	785	750	-4.5	2,070	2,295	10.9
3151	13,645	16,515	21.0	7,930	8,140	2.6	5,710	8,375	46.7
3152	3,250	4,180	28.6	190	180	-5.3	3,055	4,000	30.9
3153	1,990	2,505	25.9	1,640	1,695	3.4	355	815	129.6
3154	3,280	4,060	23.8	1,995	2,125	6.5	1,290	1,935	50.0
3155	9,320	9,645	3.5	1,900	1,610	-15.3	7,420	8,030	8.2
3156	33,335	38,410	15.2	7,405	8,450	14.1	25,930	29,965	15.6
3157	1,320	1,895	43.6	1,160	1,625	40.1	155	270	74.2
3158	17,960	22,605	25.9	415	440	6.0	17,550	22,160	26.3
3161	4,310	4,440	3.0	2,945	2,820	-4.2	1,360	1,620	19.1
3162	1,630	2,830	73.6	505	915	81.2	1,125	1,910	69.8
3169	13,160	16,930	28.6	2,655	3,185	20.0	10,510	13,745	30.8
MINOR GROUP 0315_0316	106,055	127,065	19.8	29,535	31,940	8.1	76,525	95,125	24.3
MAJOR GROUP 31	533,500	614,090	15.1	118,595	130,270	9.8	414,905	483,825	16.6
331A ASSIGNED	1,685	1,985	17.8	965	1,085	12.4	715	895	25.2
3311	7,880	9,180	16.5	4,275	4,685	9.6	3,605	4,495	24.7
3313	21,060	24,130	14.6	8,905	9,160	2.9	12,155	14,970	23.2
3314	18,505	24,555	32.7	11,660	14,610	25.3	6,845	9,945	45.3
3315	8,965	11,315	26.2	7,285	8,965	23.1	1,685	2,345	39.2
3319	615	1,025	66.7	370	565	52.7	245	460	87.8
MINOR GROUP 0331	58,720	72,185	22.9	33,465	39,075	16.8	25,250	33,110	31.1
333A ASSIGNED	1,305	1,460	11.9	895	895	0.0	415	565	36.1
3330	9,285	12,040	29.7	6,610	8,160	23.4	2,680	3,880	44.8
3331	945	1,335	41.3	730	945	29.5	215	385	79.1
3332	12,455	12,205	-2.0	9,160	9,020	-1.5	3,295	3,185	-3.3
3333	1,140	1,255	10.1	1,000	1,085	8.5	140	175	25.0
3334	1,000	1,490	49.0	190	350	84.2	815	1,140	39.9
3335	2,705	3,640	34.6	1,500	2,150	43.3	1,205	1,485	23.2
3337	5,835	7,065	21.1	4,760	5,600	17.6	1,080	1,465	35.6
3339	4,625	6,100	31.9	3,370	4,135	22.7	1,260	1,965	56.0
MINOR GROUP 0333	39,305	46,585	18.5	28,205	32,335	14.6	11,100	14,250	28.4
335A ASSIGNED	1,090	1,075	-1.4	605	590	-2.5	490	485	-1.0
3351	28,885	34,235	18.5	16,745	18,570	10.9	12,140	15,665	29.0
3355	6,220	7,200	15.8	2,490	2,525	1.4	3,730	4,675	25.3
3359	440	260	-40.9	120	90	-25.0	320	170	-46.9
MINOR GROUP 0335	36,630	42,775	16.8	19,955	21,775	9.1	16,680	21,000	25.9
336A_337A ASSIGNED	1,900	1,845	-2.9	1,175	1,120	-4.7	730	730	0.0
3360	5,370	5,050	-6.0	3,910	3,590	-8.2	1,465	1,455	-0.7
3370	17,650	23,155	31.2	7,825	10,100	29.1	9,825	13,050	32.8
3371	570	1,010	77.2	480	890	85.4	90	120	33.3
3373	995	1,245	25.1	935	1,125	20.3	55	125	127.3
3375	9,635	10,440	8.4	7,025	7,420	5.6	2,610	3,025	15.9
3379	2,075	3,490	68.2	1,700	2,795	64.4	380	695	82.9
MINOR GROUP 0336_0337	38,200	46,245	21.1	23,045	27,045	17.4	15,155	19,195	26.7
MAJOR GROUP 33	172,855	207,790	20.2	104,675	120,230	14.9	68,180	87,560	28.4
411A ASSIGNED	14,620	13,670	-6.5	280	275	-1.8	14,340	13,400	-6.6
4110	4,485	3,330	-25.8	345	180	-47.8	4,135	3,155	-23.7
4111	370,610	430,075	16.0	3,980	4,985	25.3	366,625	425,090	15.9

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OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
4113	100,485	50,895	-49.4	2,140	1,685	-21.3	98,345	49,210	-50.0
MINOR GROUP 0411	490,195	497,970	1.6	6,745	7,120	5.6	483,455	490,855	1.5
413A ASSIGNED	24,195	23,640	-2.3	3,880	3,640	-6.2	20,320	20,000	-1.6
4130	32,135	26,375	-17.9	8,795	5,955	-32.3	23,340	20,425	-12.5
4131	403,340	386,695	-4.1	72,335	62,500	-13.5	331,000	324,110	-2.1
4133	242,270	286,170	18.1	17,595	27,345	55.4	224,675	258,825	15.2
4135	41,900	48,055	14.7	5,460	5,780	5.9	36,445	42,275	16.0
4137	9,890	7,240	-26.8	2,525	2,020	-20.0	7,365	5,225	-29.2
4139	6,135	4,975	-18.9	1,520	1,280	-15.8	4,615	3,700	-19.8
MINOR GROUP 0413	759,865	783,145	3.1	112,105	108,605	-3.1	647,755	674,535	4.1
414A ASSIGNED	2,915	3,885	33.3	615	885	43.9	2,300	3,000	30.4
4140	7,820	7,050	-9.8	3,470	2,880	-17.0	4,355	4,170	-4.2
4141	14,080	10,465	-25.7	3,440	3,305	-3.9	10,635	7,155	-32.7
4143	76,525	111,270	45.4	15,485	22,340	44.3	61,040	88,930	45.7
MINOR GROUP 0414	101,335	132,660	30.9	23,005	29,405	27.8	78,335	103,255	31.8
415A ASSIGNED	8,965	8,315	-7.3	7,080	6,455	-8.8	1,895	1,860	-1.8
4150	18,900	15,845	-16.2	16,410	13,030	-20.6	2,490	2,820	13.3
4151	17,810	14,420	-19.0	11,415	8,640	-24.3	6,400	5,780	-9.7
4153	93,805	97,170	3.6	78,120	79,920	2.3	15,680	17,250	10.0
4155	100,030	97,405	-2.6	71,650	68,780	-4.0	28,380	28,615	0.8
4157	4,900	4,460	-9.0	3,420	2,795	-18.3	1,475	1,665	12.9
4159	8,090	7,560	-6.6	4,030	3,900	-3.2	4,060	3,655	-10.0
MINOR GROUP 0415	252,500	245,170	-2.9	192,125	183,520	-4.5	60,375	61,655	2.1
416A ASSIGNED	1,710	1,670	-2.3	360	315	-12.5	1,350	1,350	0.0
4160	2,185	1,805	-17.4	495	355	-28.3	1,685	1,455	-13.6
4161	45,390	41,055	-9.6	6,335	6,135	-3.2	39,050	34,920	-10.6
4169	2,770	2,150	-22.4	625	505	-19.2	2,150	1,645	-23.5
MINOR GROUP 0416	52,060	46,680	-10.3	7,815	7,310	-6.5	44,240	39,370	-11.0
417A ASSIGNED	8,680	8,070	-7.0	2,495	2,275	-8.8	6,180	5,800	-6.1
4170	9,895	8,400	-15.1	5,870	4,755	-19.0	4,020	3,640	-9.5
4171	92,970	113,620	22.2	5,060	7,010	38.5	87,915	106,615	21.3
4172	25,105	25,890	3.1	20,520	20,580	0.3	4,585	5,310	15.8
4173	43,145	40,200	-6.8	19,195	17,250	-10.1	23,950	22,950	-4.2
4175	36,235	29,855	-17.6	1,905	2,150	12.9	34,330	27,705	-19.3
4177	8,285	8,220	-0.8	6,155	5,720	-7.1	2,130	2,495	17.1
4179	16,765	17,655	5.3	5,890	6,205	5.3	10,875	11,450	5.3
MINOR GROUP 0417	241,080	251,915	4.5	67,095	65,950	-1.7	173,985	185,965	6.9
419A ASSIGNED	11,600	11,215	-3.3	3,245	3,160	-2.6	8,355	8,055	-3.6
4190	32,375	23,620	-27.0	12,815	8,195	-36.1	19,550	15,430	-21.1
4191	10,675	10,625	-0.5	3,645	3,640	-0.1	7,030	6,985	-0.6
4192	9,495	13,630	43.5	3,000	4,085	36.2	6,500	9,540	46.8
4193	24,705	30,170	22.1	8,435	8,960	6.2	16,265	21,215	30.4
4194	10,855	12,420	14.4	3,465	4,170	20.3	7,385	8,250	11.7
4195	7,925	5,935	-25.1	1,455	955	-34.4	6,470	4,975	-23.1
4197	145,550	168,045	15.5	27,725	32,055	15.6	117,830	135,985	15.4
4199	91,325	85,420	-6.5	25,525	27,275	6.9	65,800	58,145	-11.6
MINOR GROUP 0419	344,510	361,075	4.8	89,320	92,500	3.6	255,190	268,580	5.2
MAJOR GROUP 41	2,241,540	2,318,620	3.4	498,205	494,415	-0.8	1,743,335	1,824,210	4.6
513A 514A ASSIGNED	29,530	29,020	-1.7	14,980	15,535	3.7	14,550	13,480	-7.3
5130	122,900	113,520	-7.6	85,540	74,935	-12.4	37,360	38,585	3.3
5131	11,615	17,020	46.5	10,430	14,735	41.3	1,185	2,285	92.8

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OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
5133	105,255	73,480	-30.2	94,145	61,720	-34.4	11,110	11,760	5.9
5135	540,585	625,880	15.8	232,460	279,310	20.2	308,120	346,570	12.5
5141	14,610	19,165	31.2	5,210	9,730	86.8	9,400	9,435	0.4
5143	6,715	9,575	42.6	5,585	7,945	42.3	1,130	1,635	44.7
5145	34,995	38,865	11.1	30,125	32,895	9.2	4,875	5,970	22.5
5149	8,575	13,350	55.7	2,990	4,745	58.7	5,590	8,600	53.8
MINOR GROUP 0513_0514	874,775	939,875	7.4	481,460	501,555	4.2	393,310	438,320	11.4
5174 ASSIGNED	4,200	4,280	1.9	2,905	2,855	-1.7	1,295	1,425	10.0
5170	17,460	21,560	23.5	13,360	15,105	13.1	4,100	6,455	57.4
5171	45,620	51,085	12.0	32,700	34,245	4.7	12,925	16,835	30.3
5172	56,710	65,205	15.0	35,700	39,325	10.2	21,015	25,875	23.1
5173	11,660	14,775	26.7	9,175	11,005	19.9	2,480	3,770	52.0
5174	8,445	10,215	21.0	5,350	5,880	9.9	3,095	4,335	40.1
5177	5,015	5,290	5.5	3,735	3,465	-7.2	1,275	1,830	43.5
5179	2,335	3,830	64.0	1,545	2,410	56.0	795	1,420	78.6
MINOR GROUP 0517	151,445	176,240	16.4	104,465	114,300	9.4	46,980	61,945	31.9
5194 ASSIGNED	1,290	925	-28.3	930	650	-30.1	360	275	-23.6
5190	2,300	2,325	1.1	1,910	1,900	-0.5	390	425	9.0
5191	10,150	9,825	-3.2	6,675	5,970	-10.6	3,475	3,855	10.9
5193	17,060	14,735	-13.6	16,120	13,800	-14.4	940	935	-0.5
5199	5,585	9,230	65.3	1,930	3,580	85.5	3,660	5,650	54.4
MINOR GROUP 0519	36,390	37,040	1.8	27,565	25,900	-6.0	8,825	11,140	26.2
MAJOR GROUP 51	1,062,610	1,153,160	8.5	613,485	641,750	4.6	449,125	511,410	13.9
6114 ASSIGNED	12,250	11,170	-8.8	10,845	9,440	-13.0	1,405	1,730	23.1
6111	24,445	25,565	4.6	24,200	25,240	4.3	250	325	30.0
6112	55,110	55,500	0.7	52,845	52,240	-1.1	2,265	3,265	44.2
6113	4,480	4,580	2.2	3,365	3,455	2.7	1,115	1,125	0.9
6115	82,220	93,025	13.1	67,790	73,605	8.6	14,435	19,420	34.5
6116	16,660	17,430	4.6	15,760	16,145	2.4	900	1,280	42.2
6117	55,110	62,205	12.9	48,610	54,815	12.8	6,500	7,385	13.6
6119	13,260	15,975	20.5	7,985	8,955	12.1	5,280	7,020	33.0
MINOR GROUP 0611	263,545	285,435	8.3	231,390	243,885	5.4	32,150	41,550	29.2
6124 ASSIGNED	24,075	24,010	-0.3	7,840	8,840	12.8	16,235	15,170	-6.6
6120	54,640	56,905	4.1	29,895	27,960	-6.5	24,750	28,940	16.9
6121	154,960	188,615	21.7	74,025	95,865	29.5	80,930	92,750	14.6
6123	33,945	42,205	24.3	16,010	18,245	14.0	17,935	23,960	33.6
6125	239,425	263,450	10.0	42,935	52,670	22.7	196,490	210,785	7.3
6129	33,895	47,285	39.5	5,480	10,910	99.1	28,415	36,380	28.0
MINOR GROUP 0612	540,945	622,475	15.1	176,190	214,495	21.7	364,755	407,980	11.9
6134 ASSIGNED	3,320	3,070	-7.5	960	985	2.6	2,360	2,080	-11.9
6130	26,945	36,380	35.0	11,065	13,165	19.0	15,880	23,220	46.2
6133	27,825	28,825	3.6	2,440	2,550	4.5	25,380	26,275	3.5
6135	2,925	2,780	-5.0	2,650	2,545	-4.0	275	235	-14.5
6139	2,335	3,305	41.5	1,510	2,020	33.8	830	1,285	54.8
MINOR GROUP 0613	63,345	74,360	17.4	18,620	21,260	14.2	44,725	53,095	18.7
6144 ASSIGNED	7,690	8,140	5.9	1,070	1,085	1.4	6,630	7,060	6.5
6141	3,210	3,685	14.8	2,915	3,235	11.0	300	455	51.7
6142	29,320	34,890	19.0	1,195	2,130	78.2	28,120	32,765	16.5
6143	66,850	87,580	31.0	16,495	16,645	0.9	50,355	70,940	40.9
6144	4,760	7,020	47.5	1,880	2,600	38.3	2,885	4,415	53.0
6145	7,065	9,170	29.8	1,865	2,440	30.8	5,195	6,725	29.5

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OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
6147	45,610	82,640	81.2	1,720	2,585	50.3	43,890	80,055	82.4
6149	8,650	5,680	-34.3	2,770	2,710	-2.2	5,885	2,970	-49.5
MINOR GROUP 0614	173,160	238,805	37.9	29,900	33,420	11.8	143,260	205,385	43.4
616A ASSIGNED	1,855	1,570	-15.4	505	575	13.9	1,350	1,000	-25.9
6160	4,200	4,240	1.0	2,470	2,465	-0.2	1,730	1,780	2.9
6162	19,260	19,605	1.8	5,650	5,490	-2.8	13,610	14,110	3.7
6165	10,665	9,380	-12.0	2,475	2,410	-2.6	8,185	6,975	-14.8
6169	7,085	8,440	19.1	2,710	4,350	60.5	4,375	4,090	-6.5
MINOR GROUP 0616	43,060	43,245	0.4	13,810	15,290	10.7	29,255	27,950	-4.5
619A ASSIGNED	17,330	14,350	-17.2	10,115	8,985	-11.2	7,215	5,370	-25.6
6190	17,590	17,255	-1.9	13,575	12,995	-4.3	4,015	4,260	6.1
6191	230,875	238,280	3.2	135,390	138,925	2.6	95,485	99,355	4.1
6193	2,045	1,750	-14.4	1,805	1,545	-14.4	235	205	-12.8
6198	67,700	69,430	2.6	36,940	42,035	13.8	30,760	27,395	-10.9
6199	10,525	12,135	15.3	8,505	9,775	14.9	2,015	2,365	17.4
MINOR GROUP 0619	346,065	353,200	2.1	206,335	214,255	3.8	139,725	138,950	-0.6
MAJOR GROUP 61	1,430,115	1,617,520	13.1	676,250	742,610	9.8	753,870	874,910	16.1
711A ASSIGNED	1,080	1,820	68.5	980	1,500	53.1	105	320	204.8
7111(2)	225,795	205,595	-8.9	207,355	187,860	-9.7	19,410	19,225	-1.0
MINOR GROUP 0711	226,870	207,410	-8.6	207,355	187,860	-9.4	19,515	19,545	0.2
718A_719A ASSIGNED	12,940	12,980	0.3	7,805	8,165	4.6	5,130	4,810	-6.2
7180	8,780	9,070	3.3	7,670	7,640	-0.4	1,105	1,435	29.9
7183	44,950	54,140	20.4	27,725	31,025	11.9	17,225	23,110	34.2
7185	38,680	72,720	88.0	18,650	35,115	88.3	20,030	37,605	87.7
7195	64,555	82,625	28.0	53,990	69,505	28.7	10,565	13,115	24.1
7196	2,265	1,965	-13.2	765	630	-17.6	1,495	1,335	-10.7
7197	10,930	11,130	1.8	9,515	9,480	-0.4	1,420	1,650	16.2
7199	71,630	56,275	-21.4	41,890	34,540	-17.5	29,740	21,735	-26.9
MINOR GROUP 0718_0719	254,735	300,900	18.1	168,025	196,110	16.7	86,715	104,795	20.8
MAJOR GROUP 71	481,605	508,310	5.5	375,380	383,970	2.3	106,225	124,340	17.1
731A ASSIGNED	1,095	1,465	33.8	1,035	1,350	30.4	60	110	83.3
7311	2,820	3,315	17.6	2,790	3,290	17.9	30	25	-16.7
7313	33,310	36,285	8.9	32,040	33,430	4.3	1,270	2,850	124.4
7315	645	650	0.8	615	615	0.0	25	35	40.0
7319	3,230	4,235	31.1	2,340	2,950	26.1	890	1,280	43.8
MINOR GROUP 0731	41,100	45,950	11.8	38,825	41,645	7.3	2,280	4,305	88.8
MAJOR GROUP 73	41,105	45,950	11.8	38,820	41,645	7.3	2,280	4,300	88.6
751A ASSIGNED	3,750	3,635	-3.1	3,545	3,435	-3.1	205	200	-2.4
7510	8,170	8,015	-1.9	7,910	7,650	-3.3	260	370	42.3
7511	5,115	6,785	32.6	4,555	6,045	32.7	560	740	32.1
7513	33,015	35,705	8.1	32,505	34,950	7.5	510	750	47.1
7516	2,885	2,595	-10.1	2,625	2,245	-14.5	260	355	36.5
7517	15,630	14,125	-9.6	15,445	13,970	-9.6	185	155	-16.2
7518	10,915	14,980	37.2	7,880	11,480	45.7	3,035	3,500	15.3
7519	3,680	3,895	5.8	3,615	3,800	5.1	60	100	66.7
MINOR GROUP 751	83,165	89,750	7.9	78,090	83,575	7.0	5,075	6,175	21.7
MAJOR GROUP 75	83,165	89,745	7.9	78,090	83,575	7.0	5,075	6,175	21.7
771A ASSIGNED	3,350	2,245	-33.0	3,265	2,210	-32.3	80	40	-50.0
7710	14,085	11,675	-17.1	13,945	11,500	-17.5	140	175	25.0

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OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
7711	8,375	8,745	4.4	8,310	8,635	3.9	65	110	69.2
7713	10,880	8,515	-23.6	10,765	8,185	-24.0	110	130	18.2
7715	2,305	1,795	-22.1	2,250	1,765	-21.6	50	30	-40.0
7717	16,960	14,980	-11.7	16,700	14,720	-11.9	265	265	0.0
7718	12,750	10,590	-16.9	12,070	10,200	-15.5	680	390	-42.6
7719	8,855	8,795	-0.7	8,610	8,620	0.1	240	175	-27.1
MINOR GROUP 0771	77,550	67,145	-13.4	75,920	65,830	-13.3	1,635	1,310	-19.9
MAJOR GROUP 77	77,550	67,145	-13.4	75,920	65,830	-13.3	1,635	1,315	-19.6
811A ASSIGNED	325	205	-36.9	315	185	-41.3	10	20	100.0
8110	1,080	890	-17.6	1,065	845	-20.7	15	45	200.0
8111	2,685	1,930	-28.1	2,530	1,880	-25.7	155	50	-67.7
8113	1,565	1,045	-33.2	1,490	975	-34.6	75	65	-13.3
8115	380	260	-31.6	370	250	-32.4	10	10	0.0
8116	485	300	-38.1	405	280	-30.9	80	25	-68.8
8118	2,540	1,900	-25.2	2,395	1,775	-25.9	140	125	-10.7
8119	440	405	-8.0	420	370	-11.9	25	35	40.0
MINOR GROUP 0811	9,505	6,935	-27.0	8,995	6,565	-27.0	510	370	-27.5
813A_814A ASSIGNED	2,750	1,680	-38.9	2,590	1,555	-40.0	165	125	-24.2
8131	8,985	6,930	-22.9	8,855	6,780	-23.4	125	155	24.0
8133	6,270	6,510	3.8	6,110	4,360	-28.6	165	150	-9.1
8135	1,510	1,110	-26.5	1,460	1,040	-28.8	50	65	30.0
8137	2,835	2,245	-20.8	2,715	2,155	-20.6	120	90	-25.0
8141	8,340	6,930	-16.9	7,800	6,505	-16.6	540	420	-22.2
8143	3,465	2,700	-22.1	3,010	2,285	-24.1	450	280	-37.8
8145	3,480	2,825	-18.8	3,140	2,545	-18.9	340	210	-38.2
8146	4,590	3,660	-20.3	4,045	3,190	-21.1	545	470	-13.8
8148	10,800	12,325	14.1	10,200	11,595	13.7	600	735	22.5
8149	23,440	9,320	-60.2	22,360	8,770	-60.8	1,080	545	-49.5
MINOR GROUP 0813_0814	76,470	54,235	-29.1	72,285	50,780	-29.8	4,185	3,455	-17.4
815A ASSIGNED	740	580	-21.6	615	505	-17.9	125	80	-36.0
8150	2,285	1,715	-24.9	2,175	1,610	-26.0	115	110	-4.3
8151	1,795	1,455	-18.9	1,575	1,170	-25.7	220	290	31.8
8153	2,885	2,555	-11.4	2,820	2,510	-11.0	65	45	-30.8
8155	4,030	3,560	-11.7	3,275	2,960	-9.6	760	600	-21.1
8156	1,810	1,840	1.7	1,065	1,090	2.3	740	750	1.4
8158	2,400	2,610	8.7	2,165	2,170	0.2	235	440	87.2
8159	3,345	2,790	-16.6	2,855	2,455	-14.0	490	340	-30.6
MINOR GROUP 0815	19,295	17,115	-11.3	16,555	14,460	-12.7	2,750	2,650	-3.6
816A_817A ASSIGNED	1,560	1,235	-20.8	1,280	915	-28.5	285	315	10.5
8160	6,300	5,575	-11.5	5,880	5,015	-14.7	425	560	31.8
8161	6,680	5,450	-18.4	5,835	4,720	-19.1	840	725	-13.7
8163	640	490	-23.4	565	430	-23.9	75	60	-20.0
8165	3,255	3,095	-4.9	3,165	3,040	-3.9	85	55	-35.3
8167	960	650	-32.3	900	580	-35.6	60	75	25.0
8171	695	630	-9.4	650	520	-20.0	45	105	133.3
8173	850	700	-17.6	630	530	-15.9	220	170	-22.7
8176	4,195	3,935	-6.2	3,025	2,820	-6.8	1,165	1,115	-4.3
8178	4,480	5,375	20.0	3,600	4,140	15.0	880	1,230	39.8
8179	15,675	15,480	-1.2	12,290	12,030	-2.1	3,385	3,450	1.9
MINOR GROUP 0816_0817	45,280	42,615	-5.9	37,820	34,740	-8.1	7,465	7,870	5.4
821A_822A ASSIGNED	7,595	6,205	-18.3	4,515	3,765	-16.6	3,080	2,445	-20.6

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OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
8210	12,475	11,960	-4.1	10,965	10,110	-7.8	1,515	1,855	22.4
8211	3,760	3,050	-18.9	3,610	2,890	-19.9	155	155	0.0
8213	28,920	35,885	24.1	17,850	20,550	15.1	11,065	15,340	38.6
8215	44,200	43,895	-0.7	35,210	35,295	0.2	8,990	8,600	-4.3
8217	32,525	32,630	0.3	12,045	12,145	0.8	20,475	20,490	0.1
8221	5,310	3,865	-27.2	1,880	1,635	-13.0	3,430	2,230	-35.0
8223	4,965	5,235	5.4	4,455	4,535	1.8	510	700	37.3
8225	565	460	-18.6	485	395	-18.6	75	65	-13.3
8226	9,000	8,515	-5.4	3,950	3,950	-13.4	4,445	4,565	2.7
8227	4,075	4,170	2.3	3,645	3,740	2.6	430	425	-1.2
8228	20,785	30,135	45.0	13,845	18,395	32.9	6,945	11,745	69.1
8229	6,935	7,815	12.7	4,685	5,250	12.1	2,250	2,560	13.8
MINOR GROUP 821-0822	181,110	193,825	7.0	117,750	122,650	4.2	63,360	71,175	12.3
823A ASSIGNED	2,545	1,670	-34.4	2,375	1,560	-34.3	170	120	-29.4
8230	5,745	5,220	-9.1	5,650	5,140	-9.0	95	75	-21.1
8231	10,735	9,710	-9.5	10,400	9,370	-9.9	335	340	1.5
8233	3,255	2,515	-22.7	2,460	1,975	-19.7	795	540	-32.1
8235	1,195	1,165	-2.5	995	1,020	2.5	205	145	-29.3
8236	5,840	4,955	-15.2	5,175	4,400	-15.0	670	555	-17.2
8238	16,940	15,600	-7.9	16,005	14,735	-7.9	935	870	-7.0
8239	8,200	6,790	-17.2	7,825	6,485	-17.1	375	300	-20.0
MINOR GROUP 823	54,455	47,630	-12.5	50,880	44,685	-12.2	3,575	2,945	-17.6
825A ASSIGNED	2,140	1,280	-40.2	2,055	1,205	-41.4	90	75	-16.7
8250	5,305	5,685	7.2	5,200	5,580	7.3	105	105	0.0
8251	3,915	2,995	-23.5	3,840	2,860	-25.5	75	135	80.0
8253	11,150	9,455	-15.2	10,730	9,075	-15.4	420	380	-9.5
8256	3,655	3,435	-6.0	3,005	2,850	-5.2	645	585	-9.3
8258	13,690	13,500	-1.4	13,060	12,805	-2.0	625	695	11.2
8259	8,175	7,410	-9.4	7,425	6,780	-8.7	750	635	-15.3
MINOR GROUP 825	48,030	43,755	-8.9	45,320	41,145	-9.2	2,710	2,610	-3.7
826A 827A ASSIGNED	2,100	1,185	-43.6	1,010	655	-35.1	1,085	540	-50.2
8260	3,710	2,560	-31.0	2,925	1,880	-35.7	785	680	-13.4
8261	1,095	735	-32.9	750	510	-32.0	345	230	-33.3
8263	3,220	2,200	-31.7	1,160	900	-22.4	2,065	1,300	-37.0
8265	2,940	2,150	-26.9	900	870	-3.3	2,040	1,280	-37.3
8267	5,565	3,910	-29.7	3,070	2,255	-26.5	2,490	1,655	-33.5
8271	4,000	3,660	-8.5	1,585	1,220	-23.0	2,415	2,440	1.0
8273	1,885	1,560	-17.2	1,700	1,355	-20.3	180	210	16.7
8275	2,165	1,395	-35.6	1,350	870	-35.6	810	520	-35.8
8276	4,820	3,485	-27.7	1,890	1,220	-35.4	2,935	2,260	-23.0
8278	9,030	8,045	-10.9	5,075	4,455	-12.2	3,955	3,590	-9.2
8279	3,465	2,760	-20.3	1,825	1,460	-20.0	1,635	1,305	-20.2
MINOR GROUP 826-0827	43,980	33,645	-23.5	23,230	17,640	-24.1	20,750	16,010	-22.8
829A ASSIGNED	305	235	-23.0	165	170	3.0	140	65	-53.6
8290	585	340	-41.9	465	265	-43.0	120	75	-37.5
8293	2,140	2,035	-4.9	1,080	1,005	-6.9	1,055	1,035	-1.9
8295	1,920	1,780	-7.3	1,445	1,315	-9.0	480	465	-3.1
8296	1,170	1,245	6.4	385	465	20.8	785	780	-0.6
8298	645	700	8.5	420	465	10.7	225	230	2.2
8299	575	710	23.5	545	635	16.5	30	70	133.3
MINOR GROUP 829	7,345	7,050	-4.0	4,510	4,320	-4.2	2,835	2,730	-3.7

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OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
MAJOR GROUP 81_82	485,475	446,800	-8.0	377,335	336,985	-10.7	108,140	109,820	1.6
831A ASSIGNED	3,400	2,535	-25.4	3,225	2,395	-25.7	175	140	-20.0
8310	7,455	6,640	-10.9	7,325	6,545	-10.6	130	95	-26.9
8311	12,530	13,315	6.3	12,065	12,910	7.0	460	405	-12.0
8313	46,225	49,675	7.5	44,930	47,880	6.6	1,295	1,790	38.2
8315	18,325	10,700	-41.6	16,705	9,535	-42.9	1,620	1,165	-28.1
8316	2,180	2,405	10.3	1,845	1,785	-3.3	335	625	86.6
8319	6,355	2,200	-65.4	5,760	1,510	-73.8	595	695	16.8
MINOR GROUP 0831	96,465	87,475	-9.3	91,860	82,560	-10.1	4,610	4,915	6.6
833A ASSIGNED	5,895	5,020	-14.8	5,435	4,665	-14.2	460	350	-23.9
8330	10,865	8,895	-18.1	10,700	8,730	-18.4	170	165	-2.9
8331	3,860	3,340	-13.5	3,630	3,195	-12.0	235	145	-38.3
8333	26,700	23,025	-13.8	24,975	21,585	-13.6	1,725	1,445	-16.2
8334	19,360	16,415	-15.2	15,690	13,285	-15.3	3,670	3,125	-14.9
8335	97,275	88,820	-8.7	93,015	84,615	-9.0	4,260	4,205	-0.6
8336	2,275	1,690	-25.7	2,000	1,375	-31.3	275	310	12.7
8337	4,775	4,010	-16.0	4,490	3,935	-16.1	90	75	-16.7
8339	3,390	3,420	0.9	2,795	2,865	1.6	595	560	-2.5
MINOR GROUP 0833	174,380	154,635	-11.3	162,925	144,235	-11.5	11,455	10,400	-9.2
835A ASSIGNED	700	355	-49.3	655	335	-48.9	45	20	-55.6
8350	900	960	6.7	845	935	10.7	50	30	-40.0
8351	380	350	-7.9	365	340	-6.8	15	15	0.0
8353	5,285	4,485	-15.1	4,925	4,150	-15.7	360	335	-6.9
8355	5,390	3,705	-31.3	5,040	3,450	-31.5	350	255	-27.1
8356	195	210	7.7	150	170	13.3	45	45	0.0
8357	1,855	1,460	-21.3	1,365	1,155	-15.4	490	305	-37.8
8359	565	630	11.5	535	570	6.5	25	60	140.0
MINOR GROUP 0835	15,265	12,160	-20.3	13,875	11,100	-20.0	1,390	1,060	-23.5
837A ASSIGNED	310	420	35.5	260	330	26.9	50	90	80.0
8370	1,185	1,130	-4.6	1,125	1,065	-5.3	60	60	0.0
8371	3,535	3,360	-5.0	3,115	3,025	-2.9	415	340	-18.1
8373	2,465	2,300	-6.7	1,850	1,775	-4.1	615	525	-14.6
8376	710	740	4.2	440	485	10.2	275	255	-7.3
8379	2,345	2,670	13.9	1,960	2,345	19.6	385	325	-15.6
MINOR GROUP 0837	10,550	10,615	0.6	8,745	9,015	3.1	1,800	1,600	-11.1
839A ASSIGNED	745	495	-33.6	655	435	-33.6	90	60	-33.3
8390	485	540	11.3	470	495	5.3	20	40	100.0
8391	1,305	945	-27.6	695	525	-24.5	605	420	-30.6
8393	11,595	9,960	-14.1	10,685	9,250	-13.4	905	710	-21.5
8395	2,365	2,490	5.3	2,120	2,205	4.0	245	285	16.3
8396	245	240	-2.0	135	175	29.6	110	70	-36.4
8399	925	1,180	27.6	745	1,000	34.2	180	170	-5.6
MINOR GROUP 0839	17,670	15,845	-10.3	15,510	14,090	-9.2	2,160	1,760	-18.5
MAJOR GROUP 83	314,325	280,730	-10.7	292,920	261,000	-10.9	21,410	19,730	-7.8
851A 852A ASSIGNED	3,530	3,310	-6.2	2,900	2,820	-2.8	635	485	-23.6
8510	11,045	9,850	-10.8	10,600	9,240	-12.8	445	610	37.1
8511	5,065	5,605	10.7	3,800	3,720	-2.1	1,265	1,885	49.0
8513	29,585	40,735	37.7	24,885	32,560	30.8	4,700	8,180	74.0
8515	6,285	5,635	-10.3	5,665	4,970	-12.3	620	670	8.1
8523	8,115	6,195	-23.7	7,565	5,675	-25.0	550	520	-5.5
8525	1,210	950	-21.5	615	385	-37.4	595	560	-5.9

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8526	12,010	12,240	1.9	10,490	10,300	-1.8	1,520	1,940	27.6
8527	2,880	2,200	-23.6	1,590	1,350	-15.1	1,290	850	-34.1
8528	4,625	5,065	9.5	3,895	4,205	8.0	730	860	17.8
8529	12,420	13,735	10.6	9,385	10,655	13.5	3,035	3,080	1.5
MINOR GROUP 0851_0852	96,775	105,515	9.0	81,390	85,875	5.5	15,380	19,635	27.7
853A ASSIGNED	3,875	4,155	7.2	2,700	3,235	19.8	1,175	920	-21.7
8530	9,250	8,685	-6.1	8,350	7,740	-7.3	895	940	5.0
8531	23,065	21,040	-8.8	12,300	11,870	-3.5	10,765	9,175	-14.8
8533	39,140	44,025	12.5	38,265	42,980	12.3	880	1,045	18.8
8534	14,915	15,195	1.9	4,930	5,700	15.6	9,980	9,500	-4.8
8535	13,625	17,625	29.4	12,515	16,255	29.9	1,110	1,365	23.0
8536	8,980	8,685	-3.3	5,550	5,485	-1.2	3,430	3,205	-6.6
8537	9,535	9,145	-4.1	9,285	8,795	-5.3	250	350	40.0
8538	2,815	3,935	39.8	1,655	2,215	33.8	1,170	1,715	46.6
8539	2,205	2,665	20.9	1,505	1,745	15.9	700	920	31.4
MINOR GROUP 0853	127,415	135,155	6.1	97,060	106,025	9.2	30,355	29,135	-4.0
854A ASSIGNED	1,775	1,835	3.4	1,525	1,635	7.2	245	195	-20.4
8540	5,505	5,660	2.8	5,245	5,350	2.0	260	310	19.2
8541	26,735	29,575	10.6	23,650	26,070	10.2	3,085	3,510	13.8
8548	700	545	-22.1	525	400	-23.8	175	145	-17.1
8549	5,005	5,610	12.1	4,315	4,655	7.9	695	955	37.4
MINOR GROUP 0854	6,440	6,705	4.1	5,595	5,750	2.8	845	955	13.0
855A_856A ASSIGNED	46,155	49,925	8.2	40,850	43,860	7.4	5,305	6,065	14.3
8550	8,980	7,610	-15.3	1,805	1,600	-11.4	7,175	6,010	-16.2
8551	8,990	8,850	-1.6	4,805	4,675	-2.7	4,185	4,175	-0.2
8553	11,130	10,310	-7.4	6,945	6,280	-9.6	4,180	4,035	-3.5
8555	13,305	32,360	143.2	4,100	4,185	2.1	9,205	28,180	206.1
8557	2,760	2,800	1.4	1,410	1,415	0.4	1,355	1,385	2.2
8561	610	455	-25.4	210	140	-33.3	395	315	-20.3
8562	13,030	11,705	-10.2	4,685	4,525	-3.4	8,350	7,175	-14.1
8563	12,430	12,500	0.6	9,665	9,685	0.2	2,765	2,820	2.0
8566	97,280	73,045	-24.9	4,990	4,875	-2.3	92,290	68,170	-26.1
8568	5,885	5,110	-13.2	975	755	-22.6	4,915	4,360	-11.3
8569	6,025	5,720	-5.1	1,990	1,710	-14.1	4,035	4,015	-0.5
MINOR GROUP 0855_0856	15,150	13,640	-10.0	5,205	4,635	-11.0	9,945	9,005	-9.5
857A ASSIGNED	195,575	184,105	-5.9	46,775	44,480	-4.9	148,805	139,630	-6.2
8570	1,480	1,345	-9.1	1,070	1,020	-4.7	410	330	-19.5
8571	4,020	3,630	-9.7	3,570	3,265	-8.5	445	365	-18.0
8573	8,165	7,270	-11.0	7,270	6,545	-10.0	890	725	-18.5
8575	5,915	6,280	6.2	3,760	4,110	9.3	2,155	2,175	0.9
8576	1,470	1,425	-3.1	970	950	-2.1	505	470	-6.9
8578	2,735	2,660	-2.7	1,855	1,730	-6.7	880	925	5.1
8579	5,005	6,025	20.4	3,695	4,190	13.4	1,305	1,835	40.6
MINOR GROUP 0857	8,840	9,265	4.8	5,765	5,795	0.5	3,080	3,465	12.5
858A ASSIGNED	37,625	37,900	0.7	27,955	27,600	-1.3	9,670	10,295	6.5
8580	11,240	9,320	-17.1	11,100	9,140	-17.7	140	180	28.6
8581	40,530	36,710	-9.4	39,910	36,115	-9.5	620	595	-4.0
8582	145,905	151,380	3.8	144,295	149,530	3.6	1,615	1,855	14.9
8583	10,650	10,330	-3.0	10,490	10,105	-3.7	160	220	37.5
8584	11,195	8,760	-21.8	11,080	8,640	-22.0	110	120	9.1
8584	104,040	96,060	-7.7	103,090	95,115	-7.7	945	945	0.0

APPENDIX A. EXPERIENCED LABOUR FORCE BY DETAILED OCCUPATION
(1980 OCCUPATIONAL CLASSIFICATION) BY SEX AND
PERCENTAGE CHANGE, CANADA, CENSUS 1981 AND 1986

OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
8585	10,335	11,215	8.5	10,045	10,805	7.6	285	410	43.9
8586	2,810	2,160	-23.1	2,700	2,090	-22.6	115	80	-30.4
8587	2,095	1,605	-23.4	1,910	1,485	-22.3	190	120	-36.8
8588	4,590	4,525	-1.4	4,410	4,400	-0.2	180	120	-33.3
8589	20,875	20,230	-3.1	20,385	19,595	-3.9	495	635	28.3
MINOR GROUP 0858	364,260	352,300	-3.3	359,405	347,020	-3.4	4,855	5,275	8.7
859A ASSIGNED	3,775	3,130	-17.1	2,750	2,525	-8.2	1,030	605	-41.3
8590	6,530	6,070	-7.0	5,880	5,280	-10.2	645	795	23.3
8591	5,410	6,320	16.8	3,560	4,085	14.7	1,845	2,235	21.1
8592	10,325	9,150	-11.4	10,005	8,845	-11.6	315	300	-4.8
8593	13,340	10,730	-19.6	8,955	7,465	-16.6	4,385	3,270	-25.4
8595	26,170	28,250	7.9	23,045	25,060	8.7	3,120	3,195	2.4
8596	1,950	1,500	-23.1	755	645	-14.6	1,195	860	-28.0
8598	2,320	2,460	6.0	1,635	1,690	3.4	695	765	10.1
8599	18,090	22,640	25.2	10,560	14,700	39.2	7,535	7,940	5.4
MINOR GROUP 0859	87,910	90,245	2.7	67,155	70,290	4.7	20,755	19,950	-3.9
MAJOR GROUP 85	955,715	955,150	-0.1	720,595	725,160	0.6	235,125	229,990	-2.2
871A ASSIGNED	4,185	3,710	-11.4	4,140	3,660	-11.6	45	55	22.2
8710	17,300	14,125	-18.4	17,190	13,955	-18.8	110	160	45.5
8711	53,755	48,525	-9.7	53,235	47,940	-9.9	520	590	13.5
8713	7,710	8,405	9.0	7,570	8,260	9.1	140	140	0.0
8715	11,740	9,875	-15.9	11,665	9,725	-16.6	80	150	87.5
8718	18,100	17,450	-3.6	17,745	16,995	-4.2	350	455	30.0
8719	5,015	5,115	2.0	4,915	5,020	2.1	100	90	-10.0
MINOR GROUP 0871	117,800	107,200	-9.0	116,460	105,560	-9.4	1,340	1,640	22.4
873A ASSIGNED	4,025	3,450	-14.3	3,905	3,370	-13.7	120	75	-37.5
8730	23,255	19,505	-16.1	22,735	19,035	-16.3	520	465	-10.6
8731	11,960	12,140	1.5	11,820	11,915	0.8	145	230	58.6
8733	56,695	52,925	-6.6	56,010	52,335	-6.6	680	590	-13.2
8735	33,025	30,535	-7.5	31,110	28,700	-7.7	1,920	1,835	-4.4
8736	4,890	3,940	-19.4	4,160	3,315	-20.3	730	625	-14.4
8738	2,260	2,590	14.6	2,125	2,375	11.8	135	215	59.3
8739	4,035	3,845	-4.7	3,940	3,695	-6.2	95	150	57.9
MINOR GROUP 0873	140,150	128,925	-8.0	135,800	124,745	-8.1	4,345	4,185	-3.7
878A_879A ASSIGNED	18,885	17,570	-7.0	18,545	17,185	-7.3	340	390	14.7
8780	78,490	68,915	-12.2	77,520	67,865	-12.5	965	1,060	9.8
8781	130,480	129,340	-0.9	128,990	127,400	-1.2	1,490	1,940	30.2
8782	23,200	23,910	3.1	22,985	23,660	2.9	215	245	14.0
8783	7,180	6,705	-6.6	7,105	6,630	-6.7	75	80	6.7
8784	17,325	17,155	-1.0	17,060	16,850	-1.2	260	310	19.2
8785	38,195	41,740	9.3	35,850	38,515	7.4	2,345	3,225	37.5
8786	7,625	6,295	-17.4	7,400	6,105	-17.5	225	195	-13.3
8787	11,780	13,625	15.7	11,515	13,420	16.5	265	210	-20.8
8791	52,810	50,495	-4.4	52,435	49,945	-4.7	380	550	44.7
8793	9,880	8,360	-15.4	9,745	8,260	-15.2	135	95	-29.6
8795	5,925	7,160	20.8	5,685	6,900	21.4	235	265	12.8
8796	5,940	4,690	-21.0	5,785	4,550	-21.3	160	140	-12.5
8799	73,180	77,485	5.9	71,735	75,115	4.7	1,450	2,365	63.1
MINOR GROUP 0878_0879	44,785	43,905	-2.0	43,730	42,695	-2.4	1,060	1,210	14.2
879A ASSIGNED	525,675	517,355	-1.6	516,085	505,085	-2.1	9,595	12,270	28.0
MAJOR GROUP 87	783,620	755,480	-3.8	768,345	735,385	-4.3	15,275	18,095	18.5

**APPENDIX A. EXPERIENCED LABOUR FORCE BY DETAILED OCCUPATION
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OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
911A ASSIGNED	535	455	-15.0	495	415	-16.2	40	40	0.0
9110	1,900	1,765	-7.1	1,785	1,670	-6.4	110	100	-9.1
9111	8,090	7,760	-4.1	7,840	7,440	-5.1	260	325	25.0
9113	5,945	5,135	-13.6	5,395	4,580	-15.1	555	555	0.0
9119	1,765	1,600	-9.3	1,470	1,305	-11.2	295	295	0.0
MINOR GROUP 0911	18,240	16,720	-8.3	16,985	15,410	-9.3	1,250	1,310	4.8
913A ASSIGNED	1,125	815	-27.6	1,105	795	-28.1	20	20	0.0
9130	5,615	4,855	-13.5	5,540	4,745	-14.4	80	115	43.8
9131	8,425	6,910	-18.0	8,265	6,750	-18.3	160	155	-3.1
9133	9,570	7,885	-17.6	9,360	7,525	-19.6	210	355	69.0
9135	7,435	6,385	-14.1	7,060	5,980	-15.3	375	405	8.0
9139	890	675	-24.2	880	650	-26.1	10	30	200.0
MINOR GROUP 0913	33,055	27,520	-16.7	32,210	26,445	-17.9	850	1,080	27.1
915A ASSIGNED	1,120	795	-29.0	1,085	740	-31.8	35	55	57.1
9151	5,690	5,525	-2.9	5,595	5,375	-3.9	95	155	63.2
9153	2,955	3,130	5.9	2,930	3,070	4.8	20	60	200.0
9155	6,760	5,715	-15.5	6,560	5,460	-16.8	195	250	28.2
9157	1,395	1,100	-21.1	1,395	1,085	-22.2	0	20	.
9159	2,870	3,040	5.9	2,755	2,770	0.5	115	270	134.8
MINOR GROUP 0915	20,785	19,305	-7.1	20,320	18,500	-9.0	465	805	73.1
917A ASSIGNED	13,565	12,300	-9.3	12,635	11,350	-10.2	930	955	2.7
9170	16,160	16,625	2.9	15,385	15,555	1.1	780	1,070	37.2
9171	51,235	54,680	6.7	38,415	38,565	0.4	12,820	16,115	25.7
9173	27,685	29,955	8.2	25,540	27,475	7.6	2,145	2,485	15.9
9175	266,935	261,195	-2.2	260,070	254,130	-2.3	6,870	7,060	2.8
9179	16,455	23,840	44.9	12,250	18,740	53.0	4,210	5,105	21.3
MINOR GROUP 0917	392,035	398,605	1.7	364,285	365,815	0.4	27,750	32,790	18.2
919A ASSIGNED	300	205	-31.7	300	195	-35.0	0	15	.
9190	1,050	1,025	-2.4	950	910	-4.2	100	110	10.0
9191	1,020	1,205	18.1	990	1,130	14.1	25	80	220.0
9193	1,190	660	-44.5	1,170	620	-47.0	25	40	60.0
9199	2,865	3,585	25.1	2,770	3,415	23.3	95	170	78.9
MINOR GROUP 0919	6,420	6,680	4.0	6,180	6,265	1.4	240	405	68.8
MAJOR GROUP 91	470,535	468,825	-0.4	439,980	432,435	-1.7	30,555	36,390	19.1
931A ASSIGNED	10,760	8,675	-19.4	8,265	6,705	-18.9	2,495	1,970	-21.0
9310	13,135	11,930	-9.2	12,175	10,970	-9.9	960	955	-0.5
9311	21,990	17,600	-20.0	21,700	17,380	-19.9	285	215	-24.6
9313	48,245	47,675	-1.2	46,495	45,390	-2.4	1,745	2,290	31.2
9314	1,740	2,600	49.4	1,635	2,340	43.1	105	265	152.4
9315	40,620	37,130	-8.6	39,550	35,935	-9.1	1,070	1,195	11.7
9317	77,630	75,605	-2.6	30,620	31,245	2.0	47,010	44,360	-5.6
9318	31,690	31,400	-0.9	29,290	28,610	-2.3	2,400	2,795	16.5
9319	4,270	3,860	-9.6	3,895	3,620	-7.1	375	240	-36.0
MINOR GROUP 0931	250,075	236,475	-5.4	193,625	182,190	-5.9	56,455	54,290	-3.8
MAJOR GROUP 93	250,075	236,475	-5.4	193,625	182,190	-5.9	56,455	54,290	-3.8
951A ASSIGNED	2,870	2,605	-9.2	1,630	1,680	3.1	1,240	920	-26.1
9510	6,765	6,365	-5.9	5,555	5,180	-6.8	1,205	1,185	-1.7
9511	9,775	9,600	-1.8	5,175	4,205	-18.7	4,600	5,400	17.4
9512	23,215	23,915	3.0	20,680	21,040	1.7	2,535	2,875	13.4
9513	135	85	-37.0	120	85	-29.2	15	0	-100.0
9514	3,430	3,435	0.1	3,065	3,065	0.0	370	370	0.0

**APPENDIX A. EXPERIENCED LABOUR FORCE BY DETAILED OCCUPATION
(1980 OCCUPATIONAL CLASSIFICATION) BY SEX AND
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OCCUPATION	81 CENSUS TOTAL	86 CENSUS TOTAL	% CHNG	81 CENSUS MALE	86 CENSUS MALE	% CHNG	81 CENSUS FEMALE	86 CENSUS FEMALE	% CHNG
9515	2,645	2,590	-2.1	2,180	2,160	-0.9	470	435	-7.4
9517	9,765	9,160	-6.4	2,880	3,165	9.9	6,885	5,975	-13.2
9518	4,130	3,975	-3.8	2,410	2,285	-5.2	1,715	1,690	-1.5
9519	9,995	13,840	38.5	5,670	8,150	43.7	4,325	5,695	31.7
MINOR GROUP 0951	72,730	75,555	3.9	49,360	51,015	3.4	23,365	24,545	5.1
953A ASSIGNED	1,800	1,400	-22.2	1,795	1,380	-23.1	5	20	300.0
9530	7,850	7,325	-6.7	7,680	7,075	-7.9	170	250	47.1
9531	7,110	6,945	-2.3	6,730	6,665	-1.0	380	275	-27.6
9539	35,885	32,475	-9.5	35,365	31,775	-10.2	520	700	34.6
MINOR GROUP 0953	52,650	48,140	-8.6	51,575	46,895	-9.1	1,075	1,245	15.8
955A ASSIGNED	525	320	-39.0	495	275	-44.4	35	40	14.3
9550	1,340	1,405	4.9	1,195	1,180	-1.3	150	230	53.3
9551	3,970	4,710	18.6	3,290	3,945	19.9	680	765	12.5
9553	1,540	1,235	-19.8	920	780	-15.2	615	455	-26.0
9555	2,285	2,370	3.7	1,980	2,070	4.5	300	300	0.0
9557	1,645	1,290	-21.6	1,535	1,190	-22.5	115	95	-17.4
9559	460	445	-3.3	390	370	-5.1	70	75	7.1
MINOR GROUP 0955	11,775	11,780	0.0	9,810	9,810	0.0	1,960	1,965	0.3
959A ASSIGNED	355	330	-7.0	165	155	-6.1	185	175	-5.4
9590	1,020	815	-20.1	795	560	-29.6	225	255	13.3
9591	8,260	9,840	19.1	4,085	4,775	16.9	4,175	5,060	21.2
9599	330	505	53.0	160	290	81.3	170	220	29.4
MINOR GROUP 0959	9,970	11,485	15.2	5,205	5,775	11.0	4,760	5,710	20.0
MAJOR GROUP 95	147,115	146,960	-0.1	115,955	113,500	-2.1	31,160	33,465	7.4
991A ASSIGNED	6,540	7,950	21.6	5,555	6,620	19.2	985	1,330	35.0
9910	5,245	9,700	84.9	4,630	8,040	73.7	1,660	1,660	167.7
9916	770	1,215	57.8	645	1,005	55.8	130	205	57.7
9919	63,770	84,325	32.2	55,075	71,965	30.7	8,695	12,355	42.1
9921	31,285	44,665	42.8	21,715	31,610	45.6	9,575	13,060	36.4
9922	5,635	7,950	41.1	5,380	7,520	39.8	260	425	63.5
9923	10,555	14,125	33.8	9,105	11,895	30.6	1,455	2,230	53.3
9924	11,370	16,500	45.1	9,315	12,655	35.9	2,055	3,845	87.1
9925	9,125	12,490	36.9	8,590	10,985	27.9	530	1,500	183.0
9926	12,095	16,585	37.1	10,795	14,640	35.6	1,305	1,945	49.0
9918	80,075	112,315	40.3	64,900	89,310	37.6	15,175	23,005	51.6
MINOR GROUP 0991 AND MAJOR GROUP 99...	156,405	215,495	37.8	130,795	176,940	35.3	25,605	38,555	50.6
NOT APPLICABLE.....	177,120	309,635	74.8	75,170	146,955	95.5	101,950	162,680	59.6

(1) SEE APPENDIX C, 1980 OCCUPATIONAL CLASSIFICATION FOR OCCUPATION DESCRIPTIONS.

(2) DATA FOR FARMERS, UNIT GROUP (7111), ARE A GROUPING OF LIVESTOCK FARMERS (7113), CROP FARMERS (7115) AND FARMERS, N.E.C. (7119). THE QUALITY OF THE DATA FOR THESE UNIT GROUPS WAS CONSIDERED POORER THAN THAT FOR FARM WORKERS AND, CONSEQUENTLY, THE CODES WERE COLLAPSED.

APPENDIX B

**1971 OCCUPATIONAL CLASSIFICATION, LIST OF MAJOR GROUPS,
MINOR GROUPS AND UNIT GROUPS**

1971 CLASSIFICATION

LIST OF MAJOR GROUPS, MINOR GROUPS
AND UNIT GROUPS

**MAJOR GROUP 11 - MANAGERIAL,
ADMINISTRATIVE AND RELATED
OCCUPATIONS**

**111 Officials and administrators unique to
government**

- 1111 Members of legislative bodies
- 1113 Government administrators
- 1115 Postmasters
- 1116 Inspectors and regulatory officers,
government
- 1119 Officials and administrators unique to
government, n.e.c.

**113/114 Other managers and adminis-
trators**

- 1130 General managers and other senior
officials
- 1131 Management occupations, natural
sciences and engineering
- 1132 Management occupations, social
sciences and related fields
- 1133 Administrators in teaching and related
fields
- 1134 Administrators in medicine and health
- 1135 Financial management occupations
- 1136 Personnel and industrial relations
management occupations
- 1137 Sales and advertising management
occupations
- 1141 Purchasing management occupations
- 1142 Services management occupations
- 1143 Production management occupations
- 1145 Management occupations, construc-
tion operations
- 1147 Management occupations, transport
and communications operations
- 1149 (1151-1158) Other managers and
administrators, n.e.c. (in the following
industries):
 - 1151 Mines (including milling), quarries
and oil wells
 - 1152 Durable goods manufacturing(1)
 - 1153 Non-durable goods manufac-
turing(2)
 - 1154 Construction
 - 1155 Transportation, communication and
other utilities
 - 1156 Trade
 - 1157 Community, business and personal
service industries
 - 1158 Other industries and unspecified(3)

**117 Occupations related to management
and administration**

- 1171 Accountants, auditors and other
financial officers
- 1174 Personnel and related officers
- 1175 Purchasing officers and buyers,
except wholesale and retail trade
- 1176 Inspectors and regulatory
officers, non-government
- 1179 Occupations related to management
and administration, n.e.c.

**MAJOR GROUP 21 - OCCUPATIONS IN
NATURAL SCIENCES, ENGINEERING
AND MATHEMATICS**

211 Occupations in physical sciences

- 2111 Chemists
- 2112 Geologists
- 2113 Physicists
- 2114 Meteorologists
- 2117 Physical sciences technologists and
technicians
- 2119 Occupations in physical sciences,
n.e.c.

213 Occupations in life sciences

- 2131 Agriculturists and related scientists
- 2133 Biologists and related scientists
- 2135 Life sciences technologists and
technicians
- 2139 Occupations in life sciences, n.e.c.

214/215 Architects and engineers

- 2141 Architects
- 2142 Chemical engineers
- 2143 Civil engineers
- 2144 Electrical engineers
- 2145 Industrial engineers
- 2147 Mechanical engineers
- 2151 Metallurgical engineers
- 2153 Mining engineers
- 2154 Petroleum engineers
- 2155 Aeronautical engineers
- 2157 Nuclear engineers
- 2159 Architects and engineers, n.e.c.

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216 Other occupations in architecture and engineering

- 2160 Supervisors: other occupations in architecture and engineering
- 2161 Surveyors
- 2163 Draughtsmen
- 2165 Architectural and engineering technologists and technicians
- 2169 Other occupations in architecture and engineering, n.e.c.

218 Occupations in mathematics, statistics, systems analysis and related fields

- 2181 Mathematicians, statisticians and actuaries
- 2183 Systems analysts, computer programmers and related occupations
- 2189 Occupations in mathematics, statistics, systems analysis and related fields, n.e.c.

MAJOR GROUP 23 - OCCUPATIONS IN SOCIAL SCIENCES AND RELATED FIELDS

231 Occupations in social sciences

- 2311 Economists
- 2313 Sociologists, anthropologists and related social scientists
- 2315 Psychologists
- 2319 Occupations in social sciences, n.e.c.

233 Occupations in social work and related fields

- 2331 Social workers
- 2333 Occupations in welfare and community services
- 2339 Occupations in social work and related fields, n.e.c.

234 Occupations in law and jurisprudence

- 2341 Judges and magistrates

2343 Lawyers and notaries

- 2349 Occupations in law and jurisprudence, n.e.c.

235 Occupations in library, museum and archival sciences

- 2350 Supervisors: occupations in library, museum and archival sciences
- 2351 Librarians and archivists
- 2353 Technicians in library, museum and archival sciences
- 2359 Occupations in library, museum and archival sciences, n.e.c.

239 Other occupations in social sciences and related fields

- 2391 Educational and vocational counsellors
- 2399 Other occupations in social sciences and related fields, n.e.c.

MAJOR GROUP 25 - OCCUPATIONS IN RELIGION

251 Occupations in religion

- 2511 Ministers of religion
- 2513 Nuns and brothers, n.o.r.
- 2519 Occupations in religion, n.e.c.

MAJOR GROUP 27 - TEACHING AND RELATED OCCUPATIONS

271 University teaching and related occupations

- 2711 University teachers
- 2719 University teaching and related occupations, n.e.c.

273 Elementary and secondary school teaching and related occupations

- 2731 Elementary and kindergarten teachers
- 2733 Secondary school teachers

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- 2739 Elementary and secondary school teaching and related occupations, n.e.c.
- 279 Other teaching and related occupations**
- 2791 Community college and vocational school teachers
- 2792 Fine arts school teachers
- 2793 Post-secondary school teachers, n.e.c.
- 2795 Teachers of exceptional students, n.e.c.
- 2797 Instructors and training officers, n.e.c.
- 2799 Other teaching and related occupations, n.e.c.

**MAJOR GROUP 31 - OCCUPATIONS IN
MEDICINE AND HEALTH**

- 311 Health diagnosing and treating occupations**
- 3111 Physicians and surgeons
- 3113 Dentists
- 3115 Veterinarians
- 3117 Osteopaths and chiropractors
- 3119 Health diagnosing and treating occupations, n.e.c.
- 313 Nursing, therapy and related assisting occupations**
- 3130 Supervisors: nursing occupations
- 3131 Nurses, graduate, except supervisors
- 3133 Nurses-in-training
- 3134 Nursing assistants
- 3135 Nursing aides and orderlies
- 3137 Physiotherapists, occupational and other therapists
- 3139 Nursing, therapy and related assisting occupations, n.e.c.
- 315 Other occupations in medicine and health**
- 3151 Pharmacists
- 3152 Dietitians and nutritionists

- 3153 Optometrists
- 3154 Dispensing opticians
- 3155 Radiological technologists and technicians
- 3156 Medical laboratory technologists and technicians
- 3157 Dental hygienists, assistants and technicians
- 3159 Other occupations in medicine and health, n.e.c.

**MAJOR GROUP 33 - ARTISTIC, LITERARY,
RECREATIONAL AND RELATED
OCCUPATIONS**

- 331 Occupations in fine and commercial art, photography and related fields**
- 3311 Painters, sculptors and related artists
- 3313 Product and interior designers
- 3314 Advertising and illustrating artists
- 3315 Photographers and cameramen
- 3319 Occupations in fine and commercial art, photography and related fields, n.e.c.
- 333 Occupations in performing and audio-visual arts**
- 3330 Producers and directors, performing and audio-visual arts
- 3332 Musicians
- 3333 Dancers and choreographers
- 3335 Actors
- 3337 Radio and television announcers
- 3339 Occupations in performing and audio-visual arts, n.e.c.
- 335 Occupations in writing**
- 3352 Writers and editors
- 3355 Translators and interpreters
- 3359 Occupations in writing, n.e.c.
- 337 Occupations in sport and recreation**
- 3370 Coaches, trainers, instructors and managers, sport and recreation
- 3371 Referees and related officials
- 3373 Athletes
- 3375 Attendants, sport and recreation
- 3379 Occupations in sport and recreation, n.e.c.

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**MAJOR GROUP 41 - CLERICAL AND
RELATED OCCUPATIONS**

**411 Stenographic and typing
occupations**

- 4110 Supervisors: stenographic and typing occupations
- 4111 Secretaries and stenographers
- 4113 Typists and clerk-typists

**413 Bookkeeping, account-recording and
related occupations**

- 4130 Supervisors: bookkeeping, account-recording and related occupations
- 4131 Bookkeepers and accounting clerks
- 4133 Tellers and cashiers
- 4135 Insurance, bank and other finance clerks
- 4137 Statistical clerks
- 4139 Bookkeeping, account-recording and related occupations, n.e.c.

**414 Office machine and electronic data-
processing equipment operators**

- 4140 Supervisors: office machine and electronic data-processing equipment operators
- 4141 Office machine operators
- 4143 Electronic data-processing equipment operators

**415 Material recording, scheduling and
distributing occupations**

- 4150 Supervisors: material recording, scheduling and distributing occupations
- 4151 Production clerks
- 4153 Shipping and receiving clerks
- 4155 Stock clerks and related occupations
- 4157 Weighers
- 4159 Material recording, scheduling and distributing occupations, n.e.c.

**416 Library, file and correspondence
clerks and related occupations**

- 4160 Supervisors: library, file and correspondence clerks and related occupations

- 4161 Library and file clerks
- 4169 Library, file and correspondence clerks and related occupations, n.e.c.

**417 Reception, information, mail and
message distribution occupations**

- 4170 Supervisors: reception, information, mail and message distribution occupations
- 4171 Receptionists and information clerks
- 4172 Mail carriers
- 4173 Mail and postal clerks
- 4175 Telephone operators
- 4177 Messengers
- 4179 Reception, information, mail and message distribution occupations, n.e.c.

**419 Other clerical and related
occupations**

- 4190 Supervisors: other clerical and related occupations, n.e.c.
- 4191 Collectors
- 4192 Adjusters, claim
- 4193 Travel clerks, ticket, station and freight agents
- 4194 Hotel clerks
- 4195 Personnel clerks
- 4197 General office clerks
- 4199 Other clerical and related occupations, n.e.c.

MAJOR GROUP 51 - SALES OCCUPATIONS

513/514 Sales occupations, commodities

- 5130 Supervisors: sales occupations, commodities
- 5131 Technical salesmen and related advisers
- 5133 Commercial travellers
- 5135 Salesmen and salespersons, commodities, n.e.c.
- 5137 Sales clerks, commodities
- 5141 Street vendors and door-to-door salesmen
- 5143 Newsboys
- 5145 Service station attendants

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5149 Sales occupations: commodities, n.e.c.

517 Sales occupations, services

5170 Supervisors: Sales occupations, services

5171 Insurance salesmen and agents

5172 Real estate salesmen

5173 Salesmen and traders, securities

5174 Advertising salesmen

5177 Business services salesmen

5179 Sales occupations: services, n.e.c.

519 Other sales occupations

5190 Supervisors: other sales occupations

5191 Buyers, wholesale and retail trade

5193 Driver-salesmen

5199 Other sales occupations, n.e.c.

**MAJOR GROUP 61 - SERVICE
OCCUPATIONS**

611 Protective service occupations

6111 Fire-fighting occupations

6112 Policemen and detectives, government

6113 Policemen and investigators, private

6115 Guards and watchmen

6116 Commissioned officers, Armed Forces

6117 Other ranks, Armed Forces

6119 Protective service occupations, n.e.c.

612 Food and beverage preparation and related service occupations

6120 Supervisors: food and beverage preparation and related service occupations

6121 Chefs and cooks

6123 Bartenders

6125 Waiters, hostesses and stewards, food and beverage

6129 Food and beverage preparation and related service occupations, n.e.c.

613 Occupations in lodging and other accommodation

6130 Supervisors: occupations in lodging and other accommodation

6131 Managers: hotel, motel and other accommodation

6133 Chambermaids and housemen

6135 Sleeping-car and baggage porters, and bellmen

6139 Occupations in lodging and other accommodation, n.e.c.

614 Personal service occupations

6141 Funeral directors, embalmers and related occupations

6143 Barbers, hairdressers and related occupations

6144 Guides

6145 Hostesses and stewards, except food and beverage

6147 Baby-sitters

6149 Personal service occupations, n.e.c.

616 Apparel and furnishings service occupations

6160 Supervisors: apparel and furnishings service occupations

6162 Laundering and dry cleaning occupations

6165 Pressing occupations

6169 Apparel and furnishings service occupations, n.e.c.

619 Other service occupations

6190 Supervisors: other service occupations

6191 Janitors, charworkers and cleaners

6193 Elevator operating occupations

6198 Occupations in labouring and other elemental work, services

6199 Other service occupations, n.e.c.

**MAJOR GROUP 71 - FARMING, HORTICULTURAL AND ANIMAL HUSBANDRY
OCCUPATIONS**

711 Farmers

7112 Farmers

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713 Farm management occupations

7131 Farm management occupations

**718/719 Other farming, horticultural
and animal husbandry
occupations**

- 7180 Foremen: other farming,
horticultural and animal husbandry
occupations
- 7182 Farm workers
- 7195 Nursery and related workers
- 7197 Farm machinery operators and
custom operators
- 7199 Other farming, horticultural and
animal husbandry occupations, n.e.c.

**MAJOR GROUP 73 - FISHING, HUNTING,
TRAPPING AND RELATED
OCCUPATIONS**

**731 Fishing, hunting, trapping and
related occupations**

- 7311 Captains and other officers, fishing
vessels
- 7313 Fishermen: net, trap and line
- 7315 Hunting, trapping and related occu-
pations
- 7319 Fishing, hunting, trapping and
related occupations, n.e.c.

**MAJOR GROUP 75 - FORESTRY AND
LOGGING OCCUPATIONS**

751 Forestry and logging occupations

- 7510 Foremen: forestry and logging occu-
pations
- 7511 Forestry conservation occupations
- 7513 Timber cutting and related
occupations
- 7516 Log inspecting, grading, scaling and
related occupations
- 7517 Log hoisting, sorting, moving and
related occupations
- 7518 Occupations in labouring and other
elemental work, forestry and logging

7519 Forestry and logging occupations,
n.e.c.

**MAJOR GROUP 77 - MINING AND
QUARRYING INCLUDING OIL AND GAS
FIELD OCCUPATIONS**

**771 Mining and quarrying including oil
and gas field occupations**

- 7710 Foremen: mining and quarrying
including oil and gas field occupations
- 7711 Rotary well-drilling and related occu-
pations
- 7713 Other rock and soil-drilling
occupations
- 7715 Blasting occupations
- 7717 Mining and quarrying: cutting,
handling and loading occupations
- 7718 Occupations in labouring and other
elemental work, mining and
quarrying including oil and gas fields
- 7719 Mining and quarrying including oil
and gas field occupations, n.e.c.

**MAJOR GROUP 81/82 - PROCESSING
OCCUPATIONS**

811 Mineral ore treating occupations

- 8110 Foremen: mineral ore treating occu-
pations
- 8111 Crushing and grinding occupations,
mineral ores
- 8113 Mixing, separating, filtering and
related occupations, mineral ores
- 8115 Melting and roasting occupations,
mineral ores
- 8116 Inspecting, testing, grading and
sampling occupations, mineral ore
treating
- 8118 Occupations in labouring and other
elemental work, mineral ore treating
- 8119 Mineral ore treating occupations,
n.e.c.

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813/814 Metal processing and related occupations

- 8130 Foremen: metal processing and related occupations
- 8131 Metal smelting, converting and refining furnacemen
- 8133 Metal heat treating occupations
- 8135 Metal rolling occupations
- 8137 Moulding, coremaking and metal casting occupations
- 8141 Metal extruding and drawing occupations
- 8143 Plating, metal spraying and related occupations
- 8146 Inspecting, testing, grading and sampling occupations, metal processing
- 8148 Occupations in labouring and other elemental work, metal processing
- 8149 Metal processing and related occupations, n.e.c.

815 Clay, glass and stone processing, forming and related occupations

- 8150 Foremen: clay, glass and stone processing, forming and related occupations
- 8151 Furnacemen and kilnmen: clay, glass and stone
- 8153 Separating, grinding, crushing and mixing occupations: clay, glass and stone
- 8155 Forming occupations: clay, glass and stone
- 8156 Inspecting, testing, grading and sampling occupations: clay, glass and stone processing and forming
- 8158 Occupations in labouring and other elemental work: clay, glass and stone processing and forming
- 8159 Clay, glass and stone processing, forming and related occupations, n.e.c.

816/817 Chemicals, petroleum, rubber, plastic and related materials processing occupations

- 8160 Foremen: chemicals, petroleum, rubber, plastic and related materials processing occupations
- 8161 Mixing and blending occupations, chemicals and related materials
- 8163 Filtering, straining and separating occupations, chemicals and related materials
- 8165 Distilling, subliming and carbonizing occupations, chemicals and related materials
- 8167 Roasting, cooking and drying occupations, chemicals and related materials
- 8171 Crushing and grinding occupations, chemicals and related materials
- 8173 Coating and calendering occupations, chemicals and related materials
- 8176 Inspecting, testing, grading and sampling occupations: chemicals, petroleum, rubber, plastic and related materials processing
- 8178 Occupations in labouring and other elemental work: chemicals, petroleum, rubber, plastic and related materials processing
- 8179 Chemicals, petroleum, rubber, plastic and related materials processing occupations, n.e.c.

821/822 Food, beverage and related processing occupations

- 8210 Foremen: food, beverage and related processing occupations
- 8211 Flour and grain milling occupations
- 8213 Baking, confectionery making and related occupations
- 8215 Slaughtering and meat cutting, canning, curing and packing occupations
- 8217 Fish canning, curing and packing occupations
- 8221 Fruit and vegetable canning, preserving and packing occupations
- 8223 Milk processing occupations
- 8225 Sugar processing and related occupations

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- 8226 Inspecting, testing, grading and sampling occupations: food, beverage and related processing
8227 Beverage processing occupations
8228 Occupations in labouring and other elemental work: food, beverage and related processing
8229 Food, beverage and related processing occupations, n.e.c.

823 Wood processing occupations, except pulp and papermaking

- 8230 Foremen: wood processing occupations, except pulp and papermaking
8231 Sawmill sawyers and related occupations
8233 Plywood making and related occupations
8235 Wood treating occupations
8236 Inspecting, testing, grading and sampling occupations: wood processing, except pulp and papermaking
8238 Occupations in labouring and other elemental work: wood processing, except pulp and papermaking
8239 Wood processing occupations, except pulp and papermaking, n.e.c.

825 Pulp and papermaking and related occupations

- 8250 Foremen: pulp and papermaking and related occupations
8251 Cellulose pulp preparing occupations
8253 Papermaking and finishing occupations
8256 Inspecting, testing, grading and sampling occupations, pulp and papermaking
8258 Occupations in labouring and other elemental work, pulp and papermaking
8259 Pulp and papermaking and related occupations, n.e.c.

826/827 Textile processing occupations

- 8260 Foremen: textile processing occupations
8261 Textile fibre preparing occupations
8263 Textile spinning and twisting occupations
8265 Textile winding and reeling occupations
8267 Textile weaving occupations
8271 Knitting occupations
8273 Textile bleaching and dyeing occupations
8275 Textile finishing and calendering occupations
8276 Inspecting, testing, grading and sampling occupations, textile processing
8278 Occupations in labouring and other elemental work, textile processing
8279 Textile processing occupations, n.e.c.

829 Other processing occupations

- 8290 Foremen: other processing occupations
8293 Tobacco processing occupations
8295 Hide and pelt processing occupations
8296 Inspecting, testing, grading and sampling occupations, processing, n.e.c.
8298 Occupations in labouring and other elemental work, other processing
8299 Other processing occupations, n.e.c.

MAJOR GROUP 83 - MACHINING AND RELATED OCCUPATIONS

831 Metal machining occupations

- 8310 Foremen: metal machining occupations
8311 Tool and die making occupations
8313 Machinist and machine tool setting-up occupations
8315 Machine tool operating occupations
8316 Inspecting, testing, grading and sampling occupations, metal machining
8319 Metal machining occupations, n.e.c.

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**833 Metal shaping and forming
occupations, except machining**

- 8330 Foremen: metal shaping and forming occupations, except machining
- 8331 Forging occupations
- 8333 Sheet metal workers
- 8334 Metalworking-machine operators, n.e.c.
- 8335 Welding and flame cutting occupations
- 8336 Inspecting, testing, grading and sampling occupations: metal shaping and forming, except machining
- 8337 Boilermakers, platers and structural metal workers
- 8339 Metal shaping and forming occupations, except machining, n.e.c.

- 8379 Clay, glass and stone and related materials machining occupations, n.e.c.

839 Other machining and related occupations

- 8390 Foremen: other machining and related occupations, n.e.c.
- 8391 Engravers, etchers and related occupations
- 8393 Filing, grinding, buffing, cleaning and polishing occupations, n.e.c.
- 8395 Patternmakers and mouldmakers, n.e.c.
- 8396 Inspecting, testing, grading and sampling occupations, machining, n.e.c.
- 8399 Other machining and related occupations, n.e.c.

835 Wood machining occupations

- 8350 Foremen: wood machining occupations
- 8351 Wood patternmaking occupations
- 8353 Wood sawing and related occupations, except sawmill
- 8355 Planing, turning, shaping and related wood machining occupations
- 8356 Inspecting, testing, grading and sampling occupations, wood machining
- 8357 Wood sanding occupations
- 8359 Wood machining occupations, n.e.c.

MAJOR GROUP 85- PRODUCT FABRICATING, ASSEMBLING AND REPAIRING OCCUPATIONS

851/852 Fabricating and assembling occupations, metal products, n.e.c.

- 8510 Foremen: fabricating and assembling occupations, metal products, n.e.c.
- 8511 Engine and related equipment fabricating and assembling occupations, n.e.c.
- 8513 Motor vehicle fabricating and assembling occupations, n.e.c.
- 8515 Aircraft fabricating and assembling occupations, n.e.c.
- 8523 Industrial, farm, construction and other mechanized equipment and machinery fabricating and assembling occupations, n.e.c.
- 8525 Business and commercial machines fabricating and assembling occupations, n.e.c.
- 8526 Inspecting, testing, grading and sampling occupations, fabricating and assembling metal products, n.e.c.

837 Clay, glass and stone and related materials machining occupations

- 8370 Foremen: clay, glass and stone and related materials machining occupations
- 8371 Cutting and shaping occupations: clay, glass and stone
- 8373 Abrading and polishing occupations: clay, glass and stone, n.e.c.
- 8376 Inspecting, testing, grading and sampling occupations: clay, glass and stone machining

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AND UNIT GROUPS

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| <p>8527 Precision instruments and related equipment fabricating and assembling occupations, n.e.c.</p> <p>8528 Occupations in labouring and other elemental work, fabricating and assembling metal products, n.e.c.</p> <p>8529 Other fabricating and assembling occupations, metal products, n.e.c.</p>
<p>853 Fabricating, assembling, installing and repairing occupations: electrical, electronic and related equipment</p>
<p>8530 Foremen: fabricating, assembling, installing and repairing occupations, electrical, electronic and related equipment</p> <p>8531 Electrical equipment fabricating and assembling occupations</p> <p>8533 Electrical and related equipment installing and repairing occupations, n.e.c.</p> <p>8534 Electronic equipment fabricating and assembling occupations</p> <p>8535 Electronic and related equipment installing and repairing occupations, n.e.c.</p> <p>8536 Inspecting, testing, grading and sampling occupations: fabricating, assembling, installing and repairing electrical, electronic and related equipment</p> <p>8537 Radio and television service repairmen</p> <p>8538 Occupations in labouring and other elemental work: fabricating, assembling, installing and repairing electrical, electronic and related equipment</p> <p>8539 Fabricating, assembling, installing and repairing occupations: electrical, electronic and related equipment, n.e.c.</p> | <p>854 Fabricating, assembling and repairing occupations, wood products</p>
<p>8540 Foremen: fabricating, assembling and repairing occupations, wood products</p> <p>8541 Cabinet and wood furniture makers</p> <p>8546 Inspecting, testing, grading and sampling occupations: fabricating, assembling and repairing, wood products</p> <p>8548 Occupations in labouring and other elemental work: fabricating, assembling and repairing, wood products</p> <p>8549 Fabricating, assembling and repairing occupations, wood products, n.e.c.</p>
<p>855/856 Fabricating, assembling and repairing occupations: textiles, fur and leather products</p>
<p>8550 Foremen: fabricating, assembling and repairing occupations, textile, fur and leather products</p> <p>8551 Patternmaking, marking and cutting occupations: textile, fur and leather products</p> <p>8553 Tailors and dressmakers</p> <p>8555 Furriers</p> <p>8557 Milliners, hat and cap makers</p> <p>8561 Shoemaking and repairing occupations</p> <p>8562 Upholsterers</p> <p>8563 Sewing machine operators, textile and similar materials</p> <p>8566 Inspecting, testing, grading and sampling occupations: fabricating, assembling and repairing, textile, fur and leather products</p> <p>8568 Occupations in labouring and other elemental work: fabricating, assembling and repairing, textile, fur and leather products</p> <p>8569 Fabricating, assembling and repairing occupations: textile, fur and leather products, n.e.c.</p> |
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857 Fabricating, assembling and repairing occupations: rubber, plastic and related products

- 8570 Foremen: fabricating, assembling and repairing occupations, rubber, plastic and related products
- 8571 Bonding and cementing occupations, rubber, plastic and related products
- 8573 Moulding occupations, rubber, plastic and related products
- 8575 Cutting and finishing occupations, rubber, plastic and related products
- 8576 Inspecting, testing, grading and sampling occupations: fabricating, assembling and repairing, rubber, plastic and related products
- 8578 Occupations in labouring and other elemental work: fabricating, assembling and repairing, rubber, plastic and related products
- 8579 Fabricating, assembling and repairing occupations: rubber, plastic and related products, n.e.c.

859 Other product fabricating, assembling and repairing occupations

- 8590 Foremen: product fabricating, assembling and repairing occupations, n.e.c.
- 8591 Jewellery and silverware fabricating, assembling and repairing occupations
- 8592 Marine craft fabricating, assembling and repairing occupations
- 8593 Paper product fabricating and assembling occupations
- 8595 Painting and decorating occupations, except construction
- 8596 Inspecting, testing, grading and sampling occupations: product fabricating, assembling and repairing, n.e.c.
- 8598 Occupations in labouring and other elemental work: product fabricating, assembling and repairing, n.e.c.
- 8599 Other product fabricating, assembling and repairing occupations, n.e.c.

858 Mechanics and repairmen except electrical

- 8580 Foremen: mechanics and repairmen except electrical
- 8581 Motor vehicle mechanics and repairmen
- 8582 Aircraft mechanics and repairmen
- 8583 Rail transport equipment mechanics and repairmen
- 8584 Industrial, farm and construction machinery mechanics and repairmen
- 8585 Business and commercial machine mechanics and repairmen
- 8586 Inspecting, testing, grading and sampling occupations, equipment repair except electrical
- 8587 Watch and clock repairmen
- 8588 Precision instrument mechanics and repairmen
- 8589 Mechanics and repairmen except electrical, n.e.c.

**MAJOR GROUP 87 - CONSTRUCTION
TRADES OCCUPATIONS**

871 Excavating, grading, paving and related occupations

- 8710 Foremen: excavating, grading, paving and related occupations
- 8711 Excavating, grading and related occupations
- 8713 Paving, surfacing and related occupations
- 8715 Railway sectionmen and trackmen
- 8718 Occupations in labouring and other elemental work: excavating, grading and paving
- 8719 Excavating, grading, paving and related occupations, n.e.c.

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AND UNIT GROUPS

873 Electrical power, lighting and wire communications equipment erecting, installing and repairing occupations

8730 Foremen: electrical power, lighting and wire communications equipment erecting, installing and repairing occupations

8731 Electrical power linemen and related occupations

8733 Construction electricians and repairmen

8735 Wire communications and related equipment installing and repairing occupations

8736 Inspecting, testing, grading and sampling occupations: electrical power, lighting and wire communications equipment erecting, installing and repairing

8738 Occupations in labouring and other elemental work: electrical power, lighting and wire communications equipment erecting, installing and repairing

8739 Electrical power, lighting and wire communications equipment erecting, installing and repairing occupations, n.e.c.

878/879 Other construction trades occupations

8780 Foremen: other construction trades occupations

8781 Carpenters and related occupations

8782 Brick and stone masons and tile setters

8783 Concrete finishing and related occupations

8784 Plasterers and related occupations

8785 Painters, paperhangers and related occupations

8786 Insulating occupations, construction

8787 Roofing, waterproofing and related occupations

8791 Pipefitting, plumbing and related occupations

8793 Structural metal erectors

8795 Glaziers

8796 Inspecting, testing, grading and sampling occupations, construction, except electrical

8798 Occupations in labouring and other elemental work, other construction trades

8799 Other construction trades occupations, n.e.c.

**MAJOR GROUP 91 - TRANSPORT
EQUIPMENT OPERATING
OCCUPATIONS**

911 Air transport operating occupations

9110 Foremen: air transport operating occupations

9111 Air pilots, navigators and flight engineers

9113 Air transport operating support occupations

9119 Air transport operating occupations, n.e.c.

913 Railway transport operating occupations

9130 Foremen: railway transport operating occupations

9131 Locomotive engineers and firemen

9133 Conductors and brakemen, railway

9135 Railway transport operating support occupations

9139 Railway transport operating occupations, n.e.c.

915 Water transport operating occupations

9151 Deck officers

9153 Engineering officers, ship

9155 Deck crew, ship

9157 Engine and boiler-room crew, ship

9159 Water transport operating occupations, n.e.c.

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AND UNIT GROUPS

917 Motor transport operating occupations

- 9170 Foremen: motor transport operating occupations
- 9171 Bus drivers
- 9173 Taxi drivers and chauffeurs
- 9175 Truck drivers
- 9179 Motor transport operating occupations, n.e.c.

919 Other transport and related equipment operating occupations

- 9190 Foremen: other transport and related equipment operating occupations
- 9191 Subway and street railway operating occupations
- 9193 Motormen and dinkeymen, except rail transport
- 9199 Other transport and related equipment operating occupations, n.e.c.

MAJOR GROUP 93 - MATERIALS HANDLING AND RELATED OCCUPATIONS, N.E.C.

931 Materials handling and related occupations, n.e.c.

- 9310 Foremen: materials handling and related occupations, n.e.c.
- 9311 Hoisting occupations, n.e.c.
- 9313 Longshoremen, stevedores and freight handlers
- 9315 Materials handling equipment operators, n.e.c.
- 9317 Packaging occupations, n.e.c.
- 9318 Occupations in labouring and other elemental work, materials handling
- 9319 Materials handling and related occupations, n.e.c.

MAJOR GROUP 95 - OTHER CRAFTS AND EQUIPMENT OPERATING OCCUPATIONS

951 Printing and related occupations

- 9510 Foremen: printing and related occupations
- 9511 Typesetters and compositors
- 9512 Printing press occupations
- 9513 Stereotypers and electrotypers
- 9514 Printing engravers, except photoengravers
- 9515 Photoengravers and related occupations
- 9517 Bookbinders and related occupations
- 9518 Occupations in labouring and other elemental work, printing and related, n.e.c.
- 9519 Printing and related occupations, n.e.c.

953 Stationary engine and utilities equipment operating and related occupations

- 9530 Foremen: stationary engine and utilities equipment operating and related occupations
- 9531 Power station operators
- 9539 Stationary engine and utilities equipment operating and related occupations, n.e.c.

955 Electronic and related communications equipment operating occupations, n.e.c.

- 9550 Foremen: electronic and related communications equipment operating occupations, n.e.c.
- 9551 Radio and television broadcasting equipment operators
- 9553 Telegraph operators
- 9555 Sound recording and reproduction equipment operators
- 9557 Motion picture projectionists
- 9559 Electronic and related communications equipment operating occupations, n.e.c.

1971 CLASSIFICATION

LIST OF MAJOR GROUPS, MINOR GROUPS AND UNIT GROUPS

959 Other crafts and equipment operating occupations, n.e.c.

- 9590 Foremen: other crafts and equipment
operating occupations, n.e.c.
- 9591 Photographic processing occupations
- 9599 Other crafts and equipment operating
occupations, n.e.c.

MAJOR GROUP 99 - OCCUPATIONS NOT ELSEWHERE CLASSIFIED

991 Occupations not elsewhere classified

- 9910 Supervisors and foremen, n.e.c.
- 9916 Inspecting, testing, grading and
sampling occupations, n.e.c.

9918 (9921-9926) Occupations in labouring and other elemental work, n.e.c. (in the following industries):

- 9921 Manufacturing industries
- 9922 Transportation, communication
and other utilities
- 9923 Trade
- 9924 Community, business and personal
service
- 9925 Public administration and defence
- 9926 Other industries and unspeci-
fied(4)

9919 Other occupations, n.e.c.

MAJOR GROUP 00 - OCCUPATIONS NOT STATED

000 Occupations not stated

- 0000 Occupation not stated

Footnotes

- (1) Includes wood industries, furniture and fixture industries, primary metal industries, metal fabricating industries (except machinery and transportation equipment industries), machinery industries (except electrical machinery), transportation equipment industries, electrical products industries and non-metallic mineral products industries.
- (2) Includes food and beverage industries, tobacco products industries, rubber and plastics products industries, leather industries, textile industries, knitting mills, clothing industries, paper and allied industries, printing, publishing and allied industries, petroleum and coal products industries, chemical and chemical products industries, and miscellaneous manufacturing industries.

- (3) Includes industry unspecified or undefined, agriculture, forestry, fishing and trapping, finance, insurance and real estate and public administration and defence.
- (4) Includes industry unspecified or undefined, agriculture, forestry, fishing and trapping mines (including milling), quarries and oil wells, construction industry and finance, insurance and real estate.

Abbreviations

n.e.c. = not elsewhere classified.

n.o.r. = not otherwise reported.

APPENDIX C

**1980 OCCUPATIONAL CLASSIFICATION, LIST OF UNIT GROUPS,
MINOR GROUPS AND MAJOR GROUPS**

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

TOTAL - ALL OCCUPATIONS

- 111A Assigned
- 1111 Members of legislative bodies
- 1113 Government administrators
- 1115 Post office management occupations
- 1116 Inspectors and regulatory officers, government
- 1119 Officials and administrators unique to government, n.e.c.
- 111 Officials and administrators unique to government**
 - 113/114A Assigned
 - 1130 General managers and other senior officials
 - 1131 Management occupations, natural sciences and engineering
 - 1132 Management occupations, social sciences and related fields
 - 1133 Administrators in teaching and related fields
 - 1134 Administrators in medicine and health
 - 1135 Financial management occupations
 - 1136 Personnel and industrial relations management occupations
 - 1137 Sales and advertising management occupations
 - 1141 Purchasing management occupations
 - 1142 Services management occupations
 - 1143 Production management occupations
 - 1145 Management occupations, construction operations
 - 1146 Farm management occupations
 - 1147 Management occupations, transport and communications operations
 - 1151 Mines (including milling), quarries and oil wells
 - 1152 Durable goods manufacturing(1)
 - 1153 Non-durable goods manufacturing(2)
 - 1154 Construction
 - 1155 Transportation, communication and other utilities
 - 1156 Trade
 - 1157 Community, business and personal service industries
 - 1158 Other industries and unspecified(3)
 - 1149 (1151-1158) Other managers and administrators, n.e.c.

113/114 Other managers and administrators

- 117A Assigned

- 1171 Accountants, auditors and other financial officers
- 1173 Organization and methods analysts
- 1174 Personnel and related officers
- 1175 Purchasing officers and buyers, except wholesale and retail trade
- 1176 Inspectors and regulatory officers, n.e.c.
- 1179 Occupations related to management and administration, n.e.c.

117 Occupations related to management and administration

MAJOR GROUP 11 - MANAGERIAL, ADMINISTRATIVE AND RELATED OCCUPATIONS

- 211A Assigned
- 2111 Chemists
- 2112 Geologist
- 2114 Meteorologists
- 2117 Physical sciences technologists and technicians
- 2119 Occupations in physical sciences, n.e.c.

211 Occupations in physical sciences

- 213A Assigned
- 2131 Agriculturists and related scientists
- 2133 Biologists and related scientists
- 2135 Life sciences technologists and technicians
- 2139 Occupations in life sciences, n.e.c.

213 Occupations in life sciences

- 214/215A Assigned
- 2141 Architects
- 2142 Chemical engineers
- 2143 Civil engineers
- 2144 Electrical engineers
- 2145 Industrial engineers
- 2146 Agricultural engineers
- 2147 Mechanical engineers
- 2151 Metallurgical engineers
- 2153 Mining engineers
- 2154 Petroleum engineers
- 2155 Aerospace engineers
- 2156 Nuclear engineers
- 2157 Community planners
- 2159 Professional engineers, n.e.c.

214/215 Architects, engineers and community planners

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

- 216A Assigned
- 2160 Supervisors: other occupations in architecture and engineering
- 2161 Surveyors
- 2163 Draughting occupations
- 2164 Architectural technologists and technicians
- 2165 Engineering technologists and technicians
- 2169 Other occupations in architecture and engineering, n.e.c.

216 Other occupations in architecture and engineering

- 218A Assigned
- 2181 Mathematicians, statisticians and actuaries
- 2183 Systems analysts, computer programmers and related occupations
- 2189 Occupations in mathematics, statistics, systems analysis and related fields, n.e.c.

218 Occupations in mathematics, statistics, systems analysis and related fields

MAJOR GROUP 21 - OCCUPATIONS IN NATURAL SCIENCES, ENGINEERING AND MATHEMATICS

- 231A Assigned
- 2311 Economists
- 2313 Sociologists, anthropologists and related social scientists
- 2315 Psychologists
- 2319 Occupations in social sciences, n.e.c.

231 Occupations in social sciences

- 233A Assigned
- 2331 Social workers
- 2333 Occupations in welfare and community services
- 2339 Occupations in social work and related fields, n.e.c.

233 Occupations in social work and related fields

- 234A Assigned
- 2341 Judges and magistrates

- 2343 Lawyers and notaries
- 2349 Occupations in law and jurisprudence, n.e.c.

234 Occupations in law and jurisprudence

- 235A Assigned
- 2350 Supervisors: occupations in library, museum and archival sciences
- 2351 Librarians, archivists and conservators
- 2353 Technicians in library, museum and archival sciences
- 2359 Occupations in library, museum and archival sciences, n.e.c.

235 Occupations in library, museum and archival sciences

- 239A Assigned
- 2391 Educational and vocational counsellors
- 2399 Other occupations in social sciences and related fields, n.e.c.

239 Other occupations in social sciences and related fields

MAJOR GROUP 23 - OCCUPATIONS IN SOCIAL SCIENCES AND RELATED FIELDS

- 251A Assigned
- 2511 Ministers of religion
- 2513 Nuns and brothers
- 2519 Occupations in religion, n.e.c.

251 Occupations in religion

MAJOR GROUP 25 - OCCUPATIONS IN RELIGION

- 271A Assigned
- 2711 University teachers
- 2719 University teaching and related occupations, n.e.c.

271 University teaching and related occupations

- 273A Assigned
- 2731 Elementary and kindergarten teachers
- 2733 Secondary school teachers

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

- 2739 Elementary and secondary school
teaching and related occupations,
n.e.c.

**273 Elementary and secondary school
teaching and related occupations**

- 279A Assigned
2791 Community college and vocational
school teachers
2792 Fine arts teachers, n.e.c.
2793 Postsecondary school teachers, n.e.c.
2795 Teachers of exceptional students,
n.e.c.
2797 Instructors and training officers,
n.e.c.
2799 Other teaching and related
occupations, n.e.c.

**279 Other teaching and related
occupations**

**MAJOR GROUP 27 - TEACHING AND
RELATED OCCUPATIONS**

- 311A Assigned
3111 Physicians and surgeons
3113 Dentists
3115 Veterinarians
3117 Osteopaths and chiropractors
3119 Health diagnosing and treating
occupations, n.e.c.

**311 Health diagnosing and treating
occupations**

- 313A Assigned
3130 Supervisors: nursing therapy and
related assisting occupations
3131 Nurses, registered, graduate, and
nurses-in-training
3132 Orderlies
3134 Registered nursing assistants
3135 Nursing attendants
3136 Audio and speech therapists
3137 Physiotherapists
3138 Occupational therapists
3139 Nursing, therapy and related
assisting occupations, n.e.c.

**313 Nursing, therapy and related
assisting occupations**

- 315/316A Assigned
3151 Pharmacists

- 3152 Dietitians and nutritionists
3153 Optometrists
3154 Dispensing opticians
3155 Radiological technologists and
technicians
3156 Medical laboratory technologists and
technicians
3157 Denturists
3158 Dental hygienists and dental
assistants
3161 Dental laboratory technicians
3162 Respiratory technicians
3169 Other occupations in medicine and
health, n.e.c.

**315/316 Other occupations in medicine and
health**

**MAJOR GROUP 31 - OCCUPATIONS IN
MEDICINE AND HEALTH**

- 331A Assigned
3311 Painters, sculptors and related artists
3313 Product and interior designers
3314 Advertising and illustrating artists
3315 Photographers and camera operators
3319 Occupations in fine and commercial
art, photography and related fields,
n.e.c.

**331 Occupations in fine and commercial
art, photography and related fields**

- 333A Assigned
3330 Producers and directors, performing
and audio-visual arts
3331 Conductors, composers and arrangers
3332 Musicians and singers
3333 Occupations related to music and
musical entertainment, n.e.c.
3334 Dancers and choreographers
3335 Actors/actresses
3337 Radio and television announcers
3339 Occupations in performing and audio-
visual arts, n.e.c.

**333 Occupations in performing and audio-
visual arts**

- 335A Assigned
3351 Writers and editors
3355 Translators and interpreters
3359 Occupations in writing, n.e.c.

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

335 Occupations in writing

- 336/337A Assigned
- 3360 Supervisors: occupations in sports and recreation
- 3370 Coaches, trainers and instructors, sports and recreation
- 3371 Referees and related officials
- 3373 Athletes
- 3375 Attendants, sports and recreation
- 3379 Occupations in sports and recreation, n.e.c.

336/337 Occupations in sports and recreation

MAJOR GROUP 33 - ARTISTIC, LITERARY, RECREATIONAL AND RELATED OCCUPATIONS

- 411A Assigned
- 4110 Supervisors: stenographic and typing occupations
- 4111 Secretaries and stenographers
- 4113 Typists and clerk-typists

411 Stenographic and typing occupations

- 413A Assigned
- 4130 Supervisors: bookkeeping, account-recording and related occupations
- 4131 Bookkeepers and accounting
- 4133 Cashiers and tellers
- 4135 Insurance, bank and other finance clerks
- 4137 Statistical clerks
- 4139 Bookkeeping, account-recording and related occupations, n.e.c.

413 Bookkeeping, account-recording and related occupations

- 414A Assigned
- 4140 Supervisors: office machine and electronic data-processing equipment operators
- 4141 Office machine operators
- 4143 Electronic data-processing equipment operators

414 Office machine and electronic data-processing equipment operators

- 415A Assigned

- 4150 Supervisors: material recording, scheduling and distributing occupations
- 4151 Production clerks
- 4153 Shipping and receiving clerks
- 4155 Stock clerks and related occupations
- 4157 Weighers
- 4159 Material recording, scheduling and distributing occupations, n.e.c.

415 Material recording, scheduling and distributing occupations

- 416A Assigned
- 4160 Supervisors: library, file and correspondence clerks and related occupations
- 4161 Library and file clerks
- 4169 Library, file and correspondence clerks and related occupations, n.e.c.

416 Library, file and correspondence clerks and related occupations

- 417A Assigned
- 4170 Supervisors: reception, information, mail and message distribution occupations
- 4171 Receptionists and information clerks
- 4172 Mail carriers
- 4173 Mail and postal clerks
- 4175 Telephone operator
- 4177 Messengers
- 4179 Reception, information, mail and message distribution occupations, n.e.c.

417 Reception, information, mail and message distribution occupations

- 419A Assigned
- 4190 Supervisors: other clerical and related occupations, n.e.c.
- 4191 Collectors
- 4192 Claim adjusters
- 4193 Travel clerks, ticket, station and freight agents
- 4194 Hotel clerks
- 4195 Personnel clerks
- 4197 General office clerks
- 4199 Other clerical and related occupations, n.e.c.

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

419 Other clerical and related occupations

**MAJOR GROUP 41 - CLERICAL AND
RELATED OCCUPATIONS**

- 513/514A Assigned
- 5130 Supervisors: sales occupations,
commodities
- 5131 Technical sales occupations and
related advisers
- 5133 Commercial travellers
- 5135 Sales clerks and salespersons,
commodities, n.e.c.
- 5141 Street vendors and door-to-door
sales occupations
- 5143 Newspaper carriers and vendors
- 5145 Service station attendants
- 5149 Sales occupations: commodities, n.e.c.

513/514 Sales occupations, commodities

- 517A Assigned
- 5170 Supervisors: Sales occupations,
services
- 5171 Insurance sales occupations
- 5172 Real estate sales occupations
- 5173 Sales agents and traders, securities
- 5174 Advertising sales occupations
- 5177 Business services sales occupations
- 5179 Sales occupations: services, n.e.c.

517 Sales occupations, services

- 519A Assigned
- 5190 Supervisors: other sales occupations
- 5191 Buyers, wholesale and retail trade
- 5193 Route drivers
- 5199 Other sales occupations, n.e.c.

519 Other sales occupations

MAJOR GROUP 51 - SALES OCCUPATIONS

- 611A Assigned
- 6111 Fire-fighting occupations
- 6112 Police officers and detectives,
government
- 6113 Police agents and investigators,
private security
- 6115 Guards and related occupations
- 6116 Commissioned officers, Armed Forces

- 6117 Other ranks, Armed Forces
- 6119 Protective service occupations, n.e.c.

611 Protective service occupations

- 612A Assigned
- 6120 Supervisors: food and beverage
preparation and related service
occupations
- 6121 Chefs and cooks
- 6123 Bartenders
- 6125 Food and beverage serving
occupations
- 6129 Food and beverage preparation and
related service occupations, n.e.c.

**612 Food and beverage preparation and
related service occupations**

- 613A Assigned
- 6130 Supervisors: occupations in lodging
and other accommodation
- 6133 Lodging cleaners, except private
household
- 6135 Sleeping-car and baggage porters
- 6139 Occupations in lodging and other
accommodation, n.e.c.

**613 Occupations in lodging and other
accommodation**

- 614A Assigned
- 6141 Funeral directors, embalmers and
related occupations
- 6142 Housekeepers, servants and related
occupations
- 6143 Barbers, hairdressers and related
occupations
- 6144 Guides
- 6145 Travel and related attendants, except
food and beverage
- 6147 Child-care occupations
- 6149 Personal service occupations, n.e.c.

614 Personal service occupations

- 616A Assigned
- 6160 Supervisors: apparel and furnishings
service occupations
- 6162 Laundering and dry cleaning
occupations
- 6165 Pressing occupations
- 6169 Apparel and furnishings service
occupations, n.e.c.

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

616 Apparel and furnishings service occupations

- 619A Assigned
- 6190 Supervisors: other service occupations
- 6191 Janitors, charworkers and cleaners
- 6193 Elevator-operating occupations
- 6198 Occupations in labouring and other elemental work: other services
- 6199 Other service occupations, n.e.c.

619 Other service occupations

MAJOR GROUP 61 - SERVICE OCCUPATIONS

- 711A Assigned
- 7113 Livestock farmers
- 7115 Crop farmers
- 7119 Farmers, n.e.c.

711 Farmers

- 718/719A Assigned
- 7180 Foremen/women: other farming, horticultural and animal husbandry occupations
- 7183 Livestock farm workers
- 7185 Crop farm workers
- 7195 Nursery and related workers
- 7196 Inspecting, testing, grading and sampling occupations: other farming, horticultural and animal husbandry
- 7197 Farm machinery operators
- 7199 Other farming, horticultural and animal husbandry occupations, n.e.c.

718/719 Other farming, horticultural and animal husbandry occupations

MAJOR GROUP 71 - FARMING, HORTICULTURAL AND ANIMAL HUSBANDRY OCCUPATIONS

- 731A Assigned
- 7311 Captains and other officers, fishing vessels
- 7313 Net, trap and line fishing occupations
- 7315 Trapping and related occupations

7319 Fishing, trapping and related occupations, n.e.c.

731 Fishing, trapping and related occupations

MAJOR GROUP 73 - FISHING, TRAPPING AND RELATED OCCUPATIONS

- 751A Assigned
- 7510 Foremen/women: forestry and logging occupations
- 7511 Forestry conservation occupations
- 7513 Timber cutting and related occupations
- 7516 Log inspecting, grading, scaling and related occupations
- 7517 Log hoisting, sorting, moving and related occupations
- 7518 Occupations in labouring and other elemental work: forestry and logging
- 7519 Forestry and logging occupations, n.e.c.

751 Forestry and logging occupations

MAJOR GROUP 75 - FORESTRY AND LOGGING OCCUPATIONS

- 771A Assigned
- 7710 Foremen/women: mining and quarrying including oil and gas field occupations
- 7711 Rotary well-drilling and related occupations
- 7713 Rock and soil-drilling occupations
- 7715 Blasting occupations
- 7717 Mining and quarrying: cutting, handling and loading occupations
- 7718 Occupations in labouring and other elemental work: mining and quarrying including oil and gas fields
- 7719 Mining and quarrying including oil and gas field occupations, n.e.c.

771 Mining and quarrying including oil and gas field occupations

MAJOR GROUP 77 - MINING AND QUARRYING INCLUDING OIL AND GAS FIELD OCCUPATIONS

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

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| <p>811A Assigned</p> <p>8110 Foremen/women: mineral ore treating occupations</p> <p>8111 Crushing and grinding occupations, mineral ores</p> <p>8113 Mixing, separating, filtering and related occupations, mineral ores</p> <p>8115 Melting and roasting occupations, mineral ores</p> <p>8116 Inspecting, testing, grading and sampling occupations: mineral ore treating</p> <p>8118 Occupations in labouring and other elemental work: mineral ore treating</p> <p>8119 Mineral ore treating occupations, n.e.c.</p> <p>811 Mineral ore treating occupations</p> <p>813/814A Assigned</p> <p>8130 Foremen/women: metal processing and related occupations</p> <p>8131 Metal smelting, converting and refining occupations</p> <p>8133 Metal heat-treating occupations</p> <p>8135 Metal rolling occupations</p> <p>8137 Moulding, coremaking and metal casting occupations</p> <p>8141 Metal extruding and drawing occupations</p> <p>8143 Plating, metal spraying and related occupations</p> <p>8146 Inspecting, testing, grading and sampling occupations, metal processing</p> <p>8148 Occupations in labouring and other elemental work: metal processing</p> <p>8149 Metal processing and related occupations, n.e.c.</p> <p>813/814 Metal processing and related occupations</p> <p>815A Assigned</p> <p>8150 Foremen/women: clay, glass and stone processing, forming and related occupations</p> <p>8151 Furnace and kilnworkers: clay, glass and stone</p> <p>8153 Separating, grinding, crushing and mixing occupations: clay, glass and stone</p> <p>8155 Forming occupations: clay, glass and stone</p> | <p>8156 Inspecting, testing, grading and sampling occupations: clay, glass and stone processing and forming</p> <p>8158 Occupations in labouring and other elemental work: clay, glass and stone processing and forming</p> <p>8159 Clay, glass and stone processing, forming and related occupations, n.e.c.</p> <p>815 Clay, glass and stone processing, forming and related occupations</p> <p>816/817A Assigned</p> <p>8160 Foremen/women: chemicals, petroleum, rubber, plastic and related materials processing occupations</p> <p>8161 Mixing and blending occupations, chemicals and related materials</p> <p>8163 Filtering, straining and separating occupations, chemicals and related materials</p> <p>8165 Distilling, subliming and carbonizing occupations, chemicals and related materials</p> <p>8167 Roasting, cooking and drying occupations, chemicals and related materials</p> <p>8171 Crushing and grinding occupations, chemicals and related materials</p> <p>8173 Coating and calendering occupations, chemicals and related materials</p> <p>8176 Inspecting, testing, grading and sampling occupations: chemicals, petroleum, rubber, plastic and related materials processing</p> <p>8178 Occupations in labouring and other elemental work: chemicals, petroleum, rubber, plastic and related materials processing</p> <p>8179 Chemicals, petroleum, rubber, plastic and related materials processing occupations, n.e.c.</p> <p>816/817 Chemicals, petroleum, rubber, plastic and related materials processing occupations</p> <p>821/822A Assigned</p> <p>8210 Foremen/women: food, beverage and related processing occupations</p> <p>8211 Flour and grain milling occupations</p> <p>8213 Baking, confectionery making and related occupations</p> |
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1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

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| 8215 Slaughter and meat cutting, canning, curing and packing occupations | 8256 Inspecting, testing, grading and sampling occupations, pulp and papermaking |
| 8217 Fish canning, curing and packing occupations | 8258 Occupations in labouring and other elemental work: pulp and papermaking |
| 8221 Fruit and vegetable canning, preserving and packing occupations | 8259 Pulp and papermaking and related occupations, n.e.c. |
| 8223 Milk processing and related occupations | |
| 8225 Sugar processing and related occupations | 825 Pulp and papermaking and related occupations |
| 8226 Inspecting, testing, grading and sampling occupations: food, beverage and related processing | 826/827A Assigned |
| 8227 Beverage processing and related occupations | 8260 Foremen/women: textile processing occupations |
| 8228 Occupations in labouring and other elemental work: food, beverage and related processing | 8261 Textile fibre preparing occupations |
| 8229 Food, beverage and related processing occupations, n.e.c. | 8263 Textile spinning and twisting occupations |
| | 8265 Textile winding and reeling occupations |
| 821/822 Food, beverage and related processing occupations | 8267 Textile weaving occupations |
| 823A Assigned | 8271 Knitting occupations |
| 8230 Foremen/women: wood processing occupations, except pulp and papermaking | 8273 Textile bleaching and dyeing occupations |
| 8231 Sawmill sawyers and related occupations | 8275 Textile finishing and calendering occupations |
| 8233 Plywood making and related occupations | 8276 Inspecting, testing, grading and sampling occupations, textile processing |
| 8235 Wood treating occupations | 8278 Occupations in labouring and other elemental work: textile processing |
| 8236 Inspecting, testing, grading and sampling occupations: wood processing, except pulp and papermaking | 8279 Textile processing occupations, n.e.c. |
| 8238 Occupations in labouring and other elemental work: wood processing, except pulp and papermaking | |
| 8239 Wood processing occupations, except pulp and papermaking, n.e.c. | 826/827 Textile processing occupations |
| 823 Wood processing occupations, except pulp and papermaking | 829A Assigned |
| 825A Assigned | 8290 Foremen/women: other processing occupations |
| 8250 Foremen/women: pulp and papermaking and related occupations | 8293 Tobacco processing occupations |
| 8251 Cellulose pulp preparing occupations | 8295 Hide and pelt processing occupations |
| 8253 Papermaking and finishing occupations | 8296 Inspecting, testing, grading and sampling occupations, other processing, n.e.c. |
| | 8298 Occupations in labouring and other elemental work, other processing |
| | 8299 Other processing occupations, n.e.c. |
| | 829 Other processing occupations |
| | MAJOR GROUP 81/82 - PROCESSING OCCUPATIONS |

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

- 831A Assigned
- 8310 Foremen/women: metal machining occupations
- 8311 Tool and die making occupations
- 8313 Machinist and machine tool setting-up occupations
- 8315 Machine tool operating occupations
- 8316 Inspecting, testing, grading and sampling occupations, metal machining
- 8319 Metal machining occupations, n.e.c.

831 Metal machining occupations

- 833A Assigned
- 8330 Foremen/women: metal shaping and forming occupations, except machining
- 8331 Forging occupations
- 8333 Sheet metal workers
- 8334 Metalworking-machine operators, n.e.c.
- 8335 Welding and flame cutting occupations
- 8336 Inspecting, testing, grading and sampling occupations: metal shaping and forming, except machining
- 8337 Boilermakers, platers and structural metal workers
- 8339 Metal shaping and forming occupations, except machining, n.e.c.

833 Metal shaping and forming occupations, except machining

- 835A Assigned
- 8350 Foremen/women: wood machining occupations
- 8351 Wood patternmaking occupations
- 8353 Wood sawing and related occupations, n.e.c.
- 8355 Planing, turning, shaping and related wood machining occupations
- 8356 Inspecting, testing, grading and sampling occupations: wood machining
- 8357 Wood sanding occupations
- 8359 Wood machining occupations, n.e.c.

835 Wood machining occupations

- 837A Assigned

- 8370 Foremen/women: clay, glass and stone and related materials machining occupations
- 8371 Cutting and shaping occupations: clay, glass, stone and related materials
- 8373 Abrading and polishing occupations: clay, glass, stone and related materials
- 8376 Inspecting, testing, grading and sampling occupations: clay, glass, stone and related materials machining
- 8379 Clay, glass, stone and related materials machining occupations, n.e.c.

837 Clay, glass and stone and related materials machining occupations

- 839A Assigned
- 8390 Foremen/women: other machining and related occupations, n.e.c.
- 8391 Engravers, etchers and related occupations, n.e.c.
- 8393 Filing, grinding, buffing, cleaning and polishing occupations, n.e.c.
- 8395 Patternmakers and mouldmakers, n.e.c.
- 8396 Inspecting, testing, grading and sampling occupations: other machining and related occupations, n.e.c.
- 8399 Other machining and related occupations, n.e.c.

839 Other machining and related occupations, n.e.c.

MAJOR GROUP 83 - MACHINING AND RELATED OCCUPATIONS

- 851/852A Assigned
- 8510 Foremen/women: fabricating and assembling occupations, metal products, n.e.c.
- 8511 Engine and related equipment fabricating and assembling occupations, n.e.c.
- 8513 Motor vehicle fabricating and assembling occupations, n.e.c.
- 8515 Aircraft fabricating and assembling occupations, n.e.c.

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

- 8523 Industrial, farm, construction and other mechanized equipment and machinery fabricating and assembling occupations, n.e.c.
- 8525 Business and commercial machines fabricating and assembling occupations, n.e.c.
- 8526 Inspecting, testing, grading and sampling occupations: fabricating and assembling metal products, n.e.c.
- 8527 Precision instruments and related equipment fabricating and assembling occupations, n.e.c.
- 8528 Occupations in labouring and other elemental work: fabricating and assembling metal products, n.e.c.
- 8529 Other fabricating and assembling occupations: metal products, n.e.c.
- 851/852 Fabricating and assembling occupations: metal products, n.e.c.**
- 853A Assigned
- 8530 Foremen/women: fabricating, assembling, installing and repairing occupations: electrical, electronic and related equipment
- 8531 Electrical and related equipment fabricating and assembling occupations
- 8533 Electrical and related equipment installing and repairing occupations, n.e.c.
- 8534 Electronic and related equipment fabricating and assembling occupations
- 8535 Electronic and related equipment installing and repairing occupations, n.e.c.
- 8536 Inspecting, testing, grading and sampling occupations: fabricating, assembling, installing and repairing electrical, electronic and related equipment
- 8538 Occupations in labouring and other elemental work: fabricating, assembling, installing and repairing electrical, electronic and related equipment
- 8539 Fabricating, assembling, installing and repairing occupations: electrical, electronic and related equipment, n.e.c.
- 853 Fabricating, assembling, installing and repairing occupations: electrical, electronic and related equipment**
- 854A Assigned
- 8540 Foremen/women: fabricating, assembling and repairing occupations: wood products
- 8541 Cabinet and wood furniture makers
- 8546 Inspecting, testing, grading and sampling occupations: fabricating, assembling and repairing, wood products
- 8548 Occupations in labouring and other elemental work: fabricating, assembling and repairing, wood products
- 8549 Fabricating, assembling and repairing occupations: wood products, n.e.c.
- 854 Fabricating, assembling and repairing occupations, wood products**
- 855/856A Assigned
- 8550 Foremen/women: fabricating, assembling and repairing occupations: textile, fur and leather products
- 8551 Patternmaking, marking and cutting occupations: textile, fur and leather products
- 8553 Tailors and dressmakers
- 8555 Furriers
- 8557 Milliners, hat and cap makers
- 8561 Shoemaking and repairing occupations
- 8562 Upholsterers
- 8563 Sewing machine operators, textile and similar materials
- 8566 Inspecting, testing, grading and sampling occupations: fabricating, assembling and repairing, textile, fur and leather products
- 8568 Occupations in labouring and other elemental work: fabricating, assembling and repairing, textile, fur and leather products
- 8569 Fabricating, assembling and repairing occupations: textile, fur and leather products, n.e.c.
- 855/856 Fabricating, assembling and repairing occupations: textile, fur and leather products**
- 857A Assigned
- 8570 Foremen/women: fabricating, assembling and repairing occupations: rubber, plastic and related products, n.e.c.

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

- 8571 Bonding and cementing occupations: rubber, plastic and related products
- 8573 Moulding occupations: rubber, plastic and related products
- 8575 Cutting and finishing occupations: rubber, plastic and related products
- 8576 Inspecting, testing, grading and sampling occupations: fabricating, assembling and repairing rubber, plastic and related products
- 8578 Occupations in labouring and other elemental work: fabricating, assembling and repairing rubber, plastic and related products
- 8579 Fabricating, assembling and repairing occupations: rubber, plastic and related products, n.e.c.

857 Fabricating, assembling and repairing occupations: rubber, plastic and related products

- 858A Assigned
- 8580 Foremen/women: mechanics and repairers, n.e.c.
- 8581 Motor vehicle mechanics and repairers
- 8582 Aircraft mechanics and repairers
- 8583 Rail transport equipment mechanics and repairers
- 8584 Industrial, farm and construction machinery mechanics and repairers
- 8585 Business and commercial machine mechanics and repairers
- 8586 Inspecting, testing, grading and sampling occupations: equipment repair, n.e.c.
- 8587 Watch and clock repairers
- 8588 Precision instrument mechanics and repairers
- 8589 Other mechanics and repairers, n.e.c.

858 Mechanics and repairers, n.e.c.

- 859A Assigned
- 8590 Foremen/women: other product fabricating, assembling and repairing occupations

- 8591 Jewellery and silverware fabricating, assembling and repairing occupations
- 8592 Marine craft fabricating, assembling and repairing occupations
- 8593 Paper product fabricating and assembling occupations
- 8595 Painting and decorating occupations, n.e.c.
- 8596 Inspecting, testing, grading and sampling occupations: other product fabricating, assembling and repairing
- 8598 Occupations in labouring and other elemental work: other product fabricating, assembling and repairing
- 8599 Other product fabricating, assembling and repairing occupations, n.e.c.

859 Other product fabricating, assembling and repairing occupations

**MAJOR GROUP 85 - PRODUCT
FABRICATING, ASSEMBLING AND
REPAIRING OCCUPATIONS**

- 871A Assigned
- 8710 Foremen/women: excavating, grading, paving and related occupations
- 8711 Excavating, grading and related occupations
- 8713 Paving, surfacing and related occupations
- 8715 Railway section and track workers
- 8718 Occupations in labouring and other elemental work: excavating, grading, paving and related activities
- 8719 Excavating, grading, paving and related occupations, n.e.c.

871 Excavating, grading, paving and related occupations

- 873A Assigned
- 8730 Foremen/women: electrical power, lighting and wire communications equipment erecting, installing and repairing occupations
- 8731 Electrical power line workers and related occupations
- 8733 Construction electricians and repairers
- 8735 Wire communications and related equipment installing and repairing occupations

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

- 8736 Inspecting, testing, grading and sampling occupations: electrical power, lighting and wire communications equipment erecting, installing and repairing
- 8738 Occupations in labouring and other elemental work: electrical power, lighting and wire communications equipment erecting, installing and repairing
- 8739 Electrical power, lighting and wire communications equipment erecting, installing and repairing occupations, n.e.c.

873 Electrical power, lighting and wire communications equipment erecting, installing and repairing occupations

- 878/879A Assigned
- 8780 Foremen/women: other construction trades occupations
- 8781 Carpenters and related occupations
- 8782 Brick and stone masons and tile setters
- 8783 Concrete finishing and related occupations
- 8784 Plasterers and related occupations
- 8785 Painters, paperhangers and related occupations
- 8786 Insulating occupations, construction
- 8787 Roofing, waterproofing and related occupations
- 8791 Pipefitting, plumbing and related occupations
- 8793 Structural metal erectors
- 8795 Glaziers
- 8796 Inspecting, testing, grading and sampling occupations: other construction trades
- 8798 Occupations in labouring and other elemental work: other construction trades
- 8799 Other construction trades occupations, n.e.c.

878/879 Other construction trades occupations

MAJOR GROUP 87 - CONSTRUCTION TRADES OCCUPATIONS

- 911A Assigned
- 9110 Foremen/women: air transport operating occupations
- 9111 Air pilots, navigators and flight engineers
- 9113 Air transport operating support occupations
- 9119 Air transport operating occupations, n.e.c.

911 Air transport operating occupations

- 913A Assigned
- 9130 Foremen/women: railway transport operating occupations
- 9131 Locomotive operating occupations
- 9133 Conductors and brake workers, railway
- 9135 Railway transport operating support occupations
- 9139 Railway transport operating occupations, n.e.c.

913 Railway transport operating occupations

- 915A Assigned
- 9151 Deck officers
- 9153 Engineering officers, ship
- 9155 Deck crew, ship
- 9157 Engine and boiler-room crew, ship
- 9159 Water transport operating occupations, n.e.c.

915 Water transport operating occupations

- 917A Assigned
- 9170 Foremen/women: motor transport operating occupations
- 9171 Bus drivers
- 9173 Taxi drivers and chauffeurs
- 9175 Truck drivers
- 9179 Motor transport operating occupations, n.e.c.

917 Motor transport operating occupations

- 919A Assigned
- 9190 Foremen/women: other transport equipment operating occupations
- 9191 Subway and street railway operating occupations

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

- 9193 Rail vehicle operators, except rail transport
- 9199 Other transport equipment operating occupations, n.e.c.

919 Other transport equipment operating occupations

MAJOR GROUP 91 - OTHER TRANSPORT EQUIPMENT OPERATING OCCUPATIONS

- 931A Assigned
- 9310 Foremen/women: material handling and related occupations, n.e.c.
- 9311 Hoisting occupations, n.e.c.
- 9313 Longshore workers, stevedores and freight handlers
- 9314 Parcel carriers, n.e.c.
- 9315 Material handling equipment operators, n.e.c.
- 9317 Packaging occupations, n.e.c.
- 9318 Occupations in labouring and other elemental work: material handling and related activities, n.e.c.
- 9319 Other material handling and related occupations, n.e.c.

931 Material handling and related occupations, n.e.c.

MAJOR GROUP 93 - MATERIAL HANDLING AND RELATED OCCUPATIONS, N.E.C.

- 951A Assigned
- 9510 Foremen/women: printing and related occupations
- 9511 Typesetting and composing occupations
- 9512 Printing press occupations
- 9513 Stereotyping and electrotyping occupations
- 9514 Printing engraving, except photoengraving, occupations
- 9515 Photoengraving and related occupations
- 9517 Bookbinders and related occupations
- 9518 Occupations in labouring and other elemental work: printing and related activities
- 9519 Printing and related occupations, n.e.c.

951 Printing and related occupations

- 953A Assigned
- 9530 Foremen/women: stationary engine and utilities equipment operating and related occupations
- 9531 Power station operators
- 9539 Stationary engine and utilities equipment operating and related occupations, n.e.c.

953 Stationary engine and utilities equipment operating and related occupations

- 955A Assigned
- 9550 Foremen/women: electronic and related communications equipment operating occupations, n.e.c.
- 9551 Radio and television broadcasting equipment operators
- 9553 Telegraph operators
- 9555 Sound and video recording and reproduction equipment operators
- 9557 Motion picture projectionists
- 9559 Other electronic and related communications equipment operating occupations, n.e.c.

955 Electronic and related communications equipment operating occupations, n.e.c.

- 959A Assigned
- 9590 Foremen/women: other crafts and equipment operating occupations, n.e.c.
- 9591 Photographic processing occupations
- 9599 Other crafts and equipment operating occupations, n.e.c.

959 Other crafts and equipment operating occupations, n.e.c.

MAJOR GROUP 95 - OTHER CRAFTS AND EQUIPMENT OPERATING OCCUPATIONS

- 991A Assigned
- 9910 Supervisors and foremen/women, n.e.c.
- 9916 Inspecting, testing, grading and sampling occupations, n.e.c.

1980 CLASSIFICATION

LIST OF UNIT GROUPS, MINOR GROUPS
AND MAJOR GROUPS

9919 Other Occupations, n.e.c.	991 Occupations not elsewhere classified
9921 Manufacturing industries	
9922 Transportation, communication and other utilities	MAJOR GROUP 99 - OCCUPATIONS NOT ELSEWHERE CLASSIFIED
9923 Trade	
9924 Community, business and personal service	NOT APPLICABLE
9925 Public administration and defence	
9926 Other industries and unspecified(4)	
9918 (9921-9926) Occupations in labouring and other elemental work, n.e.c.	/

Footnotes

- (1) Includes wood industries, furniture and fixture industries, primary metal industries, metal fabricating industries (except machinery and transportation equipment industries), machinery industries (except electrical machinery), transportation equipment industries, electrical products industries and non-metallic mineral products industries.
- (2) Includes food and beverage industries, tobacco products industries, rubber and plastics products industries, leather industries, textile industries, knitting mills, clothing industries, paper and allied industries, printing, publishing and allied industries, petroleum and coal products industries, chemical and chemical products industries, and miscellaneous manufacturing industries.
- (3) Includes industry unspecified or undefined, agriculture, forestry, fishing and trapping, finance, insurance and real estate and public administration and defence.
- (4) Includes industry unspecified or undefined, agriculture, forestry, fishing and trapping mines (including milling), quarries and oil wells, construction industry and finance, insurance and real estate.

Abbreviations

n.e.c. = not elsewhere classified.

n.o.r. = not otherwise reported.

APPENDIX D

**RELATING THE 1971 OCCUPATIONAL CLASSIFICATION
MANUAL (OCM) AND THE 1980 STANDARD OCCUPATIONAL
CLASSIFICATION (SOC)**

RELATING THE 1971 OCM AND 1980 SOC

Since the completion of the OCM in 1971, technological and industrial changes have occurred which have changed the nature of a number of occupations such that some occupational titles have become obsolete while others seem to be omitted from the classification structure. As well, experience in using the 1971 classification revealed the need for changes to some occupational groups, not to mention a number of incorrectly coded titles. For these reasons, the 1980 SOC was created to revise and update the 1971 OCM.

For purposes of historical continuity, however, 1986 Census data are still coded to both the 1971 OCM and 1980 SOC. To avoid coding the occupation data twice, special codes are assigned to those titles which have changed unit groups between 1971 and 1980. These special codes, called "comparison codes", allow for the restructuring of the occupation data into the 1971 OCM or 1980 SOC without the need for two coding operations. The following is an example of some occupations who changed codes between 1971 and 1980 and their associated comparison codes.

An Example of Occupation Titles Whose Units Group Code Differs between the 1971 OCM and 1980 SOC.

<u>Comparison Code - Occupation</u>	<u>1971 OCM</u>	<u>1980 SOC</u>
0109 - Articled Clerk - Off. of Chartered & Certified Accountants	4131	1171
0109 - Student Accountant - Any Ind.	4131	1171
0109 - Économe - Gestion de l'éducation: ind. des services d'enseignement	4131	1171
0109 - Étudiant-comptable - Serv. de comptabilité et de tenue de livres	4131	1171
0110 - Automobile Underwriter - Insee. Ind.	5171	1171
0110 - Bond Underwriter - Insee. Ind.	5171	1171
0110 - Insurance Underwriter - Insee. Ind.	5171	1171
0110 - Liability Underwriter - Insee. Ind.	5171	1171
0110 - Underwriter - Insee. & Real Estate Agen.	5171	1171
0111 - Restaurant Manger - Any Ind.	6120	1142
0112 - Management Analyst - Any Ind.	2145	1173
0112 - Management Consultant - Any Ind.	2145	1173
0112 - Management Engineer - Any Ind.	2145	1173
0112 - Methods and Procedures Analyst - Any Ind.	2145	1173
0113 - Agent - Bus. Assoc.; Prof. Membership Assoc.; Labour Org.	1142	1179
0113 - Director - Bus. Assoc.; Prof. Membership Assoc.; Labour Org.	1142	1179
0113 - Employees Representative - Bus. Assoc.; Prof. Membership Assoc.; Labour Org.	1142	1179
0113 - Field Representative - Bus Assoc.; Membership Assoc.; Labour Org.	1142	1179
0113 - Field Representative - N.e.c.	1142	1179
0113 - Labour Representative - Labour Org.	1142	1179

<u>Comparison Code - Occupation</u>	<u>1971 OCM</u>	<u>1980 SOC</u>
0113 - Official - Bus. Assoc.; Prof. Membership Assoc.; Labour Org.	1142	1179
0113 - Organizer - Bus. Assoc.; Prof. Membership Assoc.; Labour Org.	1142	1179
0113 - Representative - Bus. Assoc.; Prof. Membership Assoc.; Labour Org.	1142	1179
0113 - Representative, Field - N.e.c.	1142	1179
0113 - Union Organizer - Bus. Assoc.; Prof. Membership Assoc.; Labour Org.	1142	1179
0113 - Union Representative - Bus Assoc.; Prof. Membership Assoc.; Labour Org.	1142	1179
0114 - Astronomer - Any Ind.	2119	2113
0114 - Astronome - Toutes ind.	2119	2113
0115 - Industrial Hygienist - Any Ind.	3159	2145
0116 - Irrigation Specialist - Any Ind.	2131	2146
0116 - Irrigationist - Any Ind.	2131	2146
0117 - Forest Engineer - Logging & Forestry Ind.	2143	2159
0117 - Ingénieur forestier - Exploitation forestière: ind. des serv. forestiers	2143	2159
0118 - Corrosion Engineer - Any Ind.	2144	2159
0119 - Geological Engineer - Any Ind.	2153	2159
0120 - Detailer - Furn. & Fixture Ind.; Motor Veh. Ind.	9318	2163
0121 - Midwife - Health & Soc. Serv. Ind.	3135	3134
0121 - Practical Nurse - Health & Soc. Serv. Ind.	3135	3134
0122 - Audiometrist - Health & Soc. Serv. Ind.	3156	3139
0123 - Apprentice Pharmacist - Any Ind.	3159	3151
0123 - Druggist's Apprentice - Any Ind.	3159	3151
0124 - Artificial-limb Assembler - Sci. & Prof. Equip. Ind.	8399	3169
0124 - Artificial-limb Maker - Sci. & Prof. Equip. Ind.	8399	3169
0124 - Finisher, Lens - Sci. & Prof. Equip. Ind.	8399	3169
0124 - Fitter - Ophthalmic Goods Ind.	8399	3169
0124 - Orthopedic Mechanic - Sci. & Prof. Equip. Ind.	8399	3169
0124 - Orthopedic Technologist and Technician - Sci. & Prof. Equip. Ind.	8399	3169
0125 - Safety Deposit Box Attendant - Banks & Other Intermed.	4199	4135
0125 - Safety Deposit Boxes Custodian - Any Ind.	4199	4135
0125 - Vault Attendant - Banks & Other Intermed.	4199	4135
0125 - Vault Custodian - Banks & Other Intermed.	4199	4135

<u>Comparison Code - Occupation</u>	<u>1971 OCM</u>	<u>1980 SOC</u>
0126 - Demurrage Clerk - Railway Trans. Serv. Ind.; Water Trans. Ind.	4131	4139
0127 - Tariff Clerk - Railway Trans. Serv. Ind.	4199	4139
0128 - Supercargo Clerk - Water Trans. Ind.	4159	4153
0129 - Hospital Clerk - Hospitals	4113	4197
0129 - Ward Clerk - Hospitals	4113	4197
0130 - Catalogue Compiler - Any Ind.	4137	4199
0130 - Directory Compiler - Any Ind.	4137	4199
0131 - Proprietor (E) - Prescription Drugs & Patent Medicine Stores	3151	5130
0131 - Commerçant (E) - Pharmacies	3151	5130
0131 - Propriétaire (E) - Pharmacies	3151	5130
0132 - Sales Representative - Elec. Power Syst. Ind.	5179	5131
0133 - Ingénieur de contrôle - Ind. de la diffusion des télécomm.	2165	9551
0134 - Bus Boy/Girl - Accom., Food & Bev. Serv. Ind.	6198	6125
0135 - Cremator - Any Ind.	6199	6141
0135 - Crematory Operator - Any Ind.	6199	6141
0136 - Garçon de bar - Ind. de l'hébergement et de la restauration	6121	6198
0137 - Entrepreneur plâtrier (E) - Plâtrage et crépissage	8780	8784
0138 - Child-care Attendant - Other Pers. & Hhld. Serv. N.e.c.	6149	6147
0138 - Children's Nurse, Private Households - Other Pers. & Hhld. Serv. N.e.c.	6149	6147
0138 - Foster Mother - Other Pers. & Hhld. Serv. N.e.c.	6149	6147
0138 - Foster Parent - Other Pers. & Hhld. Serv. N.e.c.	6149	6147
0138 - Guardian, Children - Any Ind.	6149	6147
0138 - House Mother - Any Ind.	6149	6147
0138 - House Parent - Any Ind.	6149	6147
0138 - Nursemaid - Other Pers. & Hhld. Serv. N.e.c.	6149	6147
0138 - Nursery Attendant - Other Pers. & Hhld. Serv. N.e.c.	6149	6147
0139 - Labourer - Private Households	9918	6149

<u>Comparison Code - Occupation</u>	<u>1971 OCM</u>	<u>1980 SOC</u>
0140 - Furnace Cleaner - Any Ind.	6198	6191
0140 - Nettoyeur de fournaies - Toutes ind.	6198	6191

¹ For the complete list of titles contact the subject-matter representative for Occupation, Labour and Household Surveys Analysis Division.

APPENDIX E
OTHER OCCUPATION DATA PRODUCTS

OTHER OCCUPATION DATA PRODUCTS

There are several other products from the 1986 Census which contain **occupation** data. These include:

NATION SERIES

- **Families: Part 2 (20% sample data)** (Catalogue No. 93-107)

This bulletin contains four tables which show occupation data. They are as follows:

Husband-wife census families in private households by labour force activity and occupation of husband, showing labour force activity and occupation of wife, for Canada, provinces and territories (Table 7).

Husbands and wives in census families in private households by labour force activity and occupation, showing number and age groups of children at home, for Canada, provinces and territories (Table 8).

Lone-parent census families in private households by sex, labour force activity and occupation of parent, showing number and age groups of children at home, for Canada (Table 13).

Non-family persons 15 years and over in private households by sex, labour force activity and occupation, showing age groups and average income, for Canada (Table 18).

- **Mobility Status and Interprovincial Migration** (Catalogue No. 93-108)

This bulletin presents interprovincial migrants 15 years and over in the labour force by age groups and sex, showing occupation major groups, for Canada (Table 8A). It also presents interprovincial migrants 15 years and over in the labour force by occupation major groups, age groups and sex, showing the components of interprovincial migration, for the provinces and territories (Table 8B).

- **Occupation** (Catalogue No. 93-112)

This publication presents data on members of the labour force 15 years and over by detailed occupation, age, sex and selected labour characteristics, for Canada, the provinces and territories.

- **Employment Income by Occupation** (Catalogue No. 93-116)

Average employment income for 1980 and 1985 in constant (1985) dollars for the population 15 years and over are presented by sex, work activity and detailed occupation. Tables of 1985 average employment income and 1985 average wages and salaries by selected characteristics and detailed occupation are also included, for Canada only.

DIMENSION SERIES

- **Occupational Trends, 1961-1986** (Catalogue No. 93-151)

This publication provides a historical perspective on occupations of Canadians. It presents data collected by the 1986 Census in conjunction with those from the 1961, 1971 and 1981 Censuses. It provides estimates for Canada, the provinces and the territories. The labour force universe and the occupation data in this publication have been adjusted as much as possible to permit comparisons over time.

- **Profile of Ethnic Groups** (Catalogue No. 93-154)

This publication profiles selected ethnic groups. For each group, single and multiple origins are shown by selected demographic, social and economic characteristics such as age, marital status, mother tongue, education, occupation and income. The level of geography is Canada only.

- Profile of the Immigrant Population
(Catalogue No. 93-155)

Data on the selected characteristics of the immigrant population are presented for Canada, provinces and territories. The immigrant population is shown by period of immigration and sex, cross-classified by other variables such as age, marital status, mother tongue, education, occupation and income. Data on the non-immigrant population are also presented.

- Census Metropolitan Areas (Catalogue No. 93-156)

This publication provides data covering a wide range of census variables for the 25 census metropolitan areas. Included are counts of the labour force 15 years and over for selected occupations. Data are provided from both the 1981 and 1986 Censuses, including percentage change from 1981-1986. Data are based on the 1980 Standard Occupational Classification.

- Canadians and Their Occupations: A Profile (Catalogue No. 93-157)

This publication presents data for approximately 200 selected detailed occupations by sex showing a range of demographic, economic and socio-cultural characteristics, including ethnic origin and period of immigration, for Canada.

PROFILE SERIES

This series includes occupation data, as well as information on a wide range of other census variables. Data are presented for a variety of subprovincial areas: Census Divisions and Subdivisions (94-101 to 94-124), Federal Electoral Districts (94-125, 94-126, 94-133 and 94-134), Census Metropolitan Areas and Census Agglomerations (94-127 and 94-128), Census-tracted Centres (Census Tracts and Component Subdivisions) (95-101 to 95-174), Urban and Rural Areas (94-129 and 94-130) and Labour Force Survey Economic Regions (94-131). Data for profiles are also available in machine-readable form.

FOCUS ON CANADA SERIES

Trends in Occupation and Industry
(Catalogue No. 98-135)

This study presents an industry-occupation employment structure as revealed by the 1986 Census and includes trend analysis between 1971 and 1986. The study also examines changes in the distribution of the experienced labour force among occupations and industries between 1971 and 1986.

METROPOLITAN ATLAS SERIES

A series of 12 publications covering Canada's major census metropolitan areas combine maps, graphs and text to present the 1986 Census data in an easy-to-understand format. Information on occupation is included as well as a number of other key demographic, housing, social and economic themes. Maps summarize these complex statistics and pinpoint areas of concentration, facilitate comparisons and reveal changing patterns - helping us to better understand the cities we live in. Information is included for the following 12 large urban centres:

St. John's	(Cat. No. 98-101)
Halifax	(Cat. No. 98-102)
Québec	(Cat. No. 98-103)
Montréal	(Cat. No. 98-104)
Ottawa-Hull	(Cat. No. 98-105)
Toronto	(Cat. No. 98-106)
Hamilton	(Cat. No. 98-107)
Winnipeg	(Cat. No. 98-108)
Regina	(Cat. No. 98-109)
Calgary	(Cat. No. 98-110)
Edmonton	(Cat. No. 98-111)
Vancouver	(Cat. No. 98-112)

BASIC SUMMARY TABLES

This series is designed to meet the needs of users who wish to study the characteristics of small areas. Tables provide information on a variety of census variables. The following occupation table is available:

LF86B04 Labour force 15 years and over by
 occupation major groups (25) (based
 on the 1980 classification) and sex (3)

The table is produced for the following four geographic levels: (i) enumeration areas and federal electoral districts; (ii) census subdivisions (municipalities) and census divisions (counties); (iii) census tracts and provincial census tracts; (iv) Canada, provinces, territories and census metropolitan areas.

Data for the basic summary tables are available in machine-readable form to facilitate aggregation and manipulation.

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